

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\  
 Data File : BF093459.D  
 Acq On : 9 Mar 2017 6:43  
 Operator : SJ/MA  
 Sample : I2103-01MS  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

Manual Integrations  
 APPROVED

mohammad  
 3/10/2017 8:12:47 AM

Quant Time: Mar 09 07:28:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.77  | 152  | 178863   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.06  | 136  | 723778   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.81  | 164  | 299556   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.29 | 188  | 427925   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12          | 13.93 | 240  | 372400   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.35 | 264  | 293970   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.37  | 112 | 1210369 | 112.63 | ng | 0.02 |
| 7) Phenol-d6             | 6.42  | 99  | 1465708 | 108.15 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 958597  | 73.49  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 215222  | 110.28 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 9.13  | 172 | 1462712 | 90.82  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.87 | 244 | 936209  | 65.36  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.41 | 88  | 192594  | 32.54 | ng | # 72   |
| 3) Pyridine                    | 3.12 | 79  | 387397m | 25.67 | ng |        |
| 4) n-Nitrosodimethylamine      | 3.04 | 42  | 263804  | 36.60 | ng | 92     |
| 6) Aniline                     | 6.44 | 93  | 143380  | 7.71  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.56 | 128 | 429629  | 35.68 | ng | 94     |
| 9) Benzaldehyde                | 6.33 | 77  | 30667   | 2.30  | ng | 97     |
| 10) Phenol                     | 6.44 | 94  | 566443  | 34.11 | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93  | 453774  | 33.81 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146 | 471658m | 34.22 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146 | 481966  | 34.16 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.94 | 146 | 435636  | 34.86 | ng | 96     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 358841  | 37.14 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45  | 781617  | 35.06 | ng | 63     |
| 17) 2-Methylphenol             | 7.05 | 107 | 349921  | 34.36 | ng | # 87   |
| 18) Hexachloroethane           | 7.27 | 117 | 152928  | 32.13 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70  | 354431  | 38.04 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 492284  | 37.27 | ng | # 72   |
| 22) Acetophenone               | 7.19 | 105 | 643376  | 36.94 | ng | # 92   |
| 24) Nitrobenzene               | 7.36 | 77  | 526260  | 35.90 | ng | 95     |
| 25) Isophorone                 | 7.60 | 82  | 924429  | 35.14 | ng | 95     |
| 26) 2-Nitrophenol              | 7.68 | 139 | 217401  | 32.50 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 372121  | 34.20 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 572278  | 34.46 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 376786  | 36.81 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 8.00 | 180 | 386694  | 35.52 | ng | 97     |
| 31) Naphthalene                | 8.08 | 128 | 1247928 | 34.41 | ng | 99     |
| 32) Benzoic acid               | 7.88 | 122 | 168251  | 29.76 | ng | 95     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 115506  | 7.85  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 201516  | 35.94 | ng | 99     |
| 35) Caprolactam                | 8.52 | 113 | 98280   | 28.11 | ng | # 28   |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 378728  | 34.66 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.77 | 142 | 757076  | 32.81 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 354909  | 43.39 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.92 | 237 | 14674   | 18.12 | ng | 98     |

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 BNA\_F  
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 WC-B46-B47-001MS

Manual Integrations  
 APPROVED

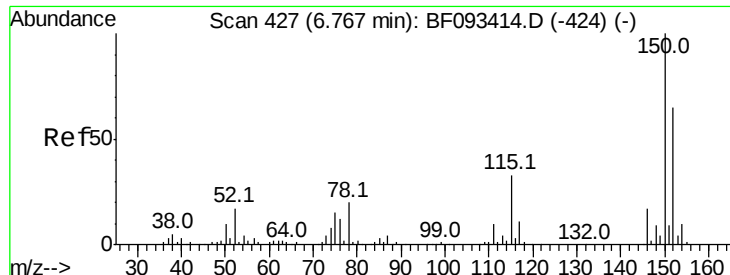
mohammad  
 3/10/2017 8:12:47 AM

Quant Time: Mar 09 07:28:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 15:55:22 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.06  | 196  | 218386   | 42.73 | nq    | 93       |
| 43) 2,4,5-Trichlorophenol      | 9.11  | 196  | 211278   | 38.53 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 9.24  | 154  | 978537   | 44.84 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.26  | 162  | 735501   | 44.03 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 267971   | 45.38 | nq    | # 79     |
| 48) Acenaphthylene             | 9.67  | 152  | 1050334  | 38.13 | nq    | 98       |
| 49) Dimethylphthalate          | 9.53  | 163  | 858724   | 43.24 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 177553   | 40.74 | nq    | 89       |
| 51) Acenaphthene               | 9.84  | 154  | 649428   | 39.87 | nq    | 96       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 122408   | 23.38 | nq    | 86       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 10994    | 5.54  | nq    | # 73     |
| 54) Dibenzofuran               | 10.01 | 168  | 899188   | 44.10 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.98  | 139  | 109246m  | 42.96 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 196152   | 36.64 | nq    | # 74     |
| 57) Fluorene                   | 10.36 | 166  | 697806   | 40.39 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.15 | 232  | 140828   | 36.39 | nq    | 99       |
| 59) Diethylphthalate           | 10.23 | 149  | 784880   | 41.35 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204  | 321857   | 41.56 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.39 | 138  | 175249   | 32.73 | nq    | 94       |
| 62) Azobenzene                 | 10.50 | 77   | 897373   | 41.61 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 10824    | 3.90  | nq    | # 5      |
| 65) n-Nitrosodiphenylamine     | 10.47 | 169  | 627429   | 43.91 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 185636   | 41.02 | nq    | 91       |
| 67) Hexachlorobenzene          | 10.90 | 284  | 161246   | 37.32 | nq    | # 84     |
| 68) Atrazine                   | 11.00 | 200  | 119398   | 28.55 | nq    | 99       |
| 69) Pentachlorophenol          | 11.11 | 266  | 112702   | 75.54 | nq    | 97       |
| 70) Phenanthrene               | 11.32 | 178  | 871834   | 35.69 | nq    | 99       |
| 71) Anthracene                 | 11.37 | 178  | 926923   | 37.51 | nq    | 98       |
| 72) Carbazole                  | 11.53 | 167  | 821516   | 35.39 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.85 | 149  | 1120343  | 41.72 | nq    | # 97     |
| 74) Fluoranthene               | 12.51 | 202  | 826251   | 35.02 | nq    | 96       |
| 76) Benzidine                  | 12.63 | 184  | 169002   | 13.80 | nq    | 96       |
| 77) Pyrene                     | 12.73 | 202  | 843589   | 31.15 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.35 | 149  | 397690   | 34.88 | nq    | # 77     |
| 80) Benzo(a)anthracene         | 13.92 | 228  | 770829   | 35.05 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.89 | 252  | 211343   | 27.44 | nq    | # 95     |
| 82) Chrysene                   | 13.96 | 228  | 675739   | 33.21 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.90 | 149  | 576612   | 36.28 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 14.52 | 149  | 1050707  | 39.67 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.72 | 276  | 537964   | 31.59 | nq    | # 92     |
| 87) Benzo(b)fluoranthene       | 14.95 | 252  | 741362m  | 41.41 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.97 | 252  | 596461m  | 34.55 | nq    |          |
| 89) Benzo(a)pyrene             | 15.29 | 252  | 613995   | 37.52 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.72 | 278  | 463128   | 34.21 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.13 | 276  | 443735   | 31.94 | nq    | # 89     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

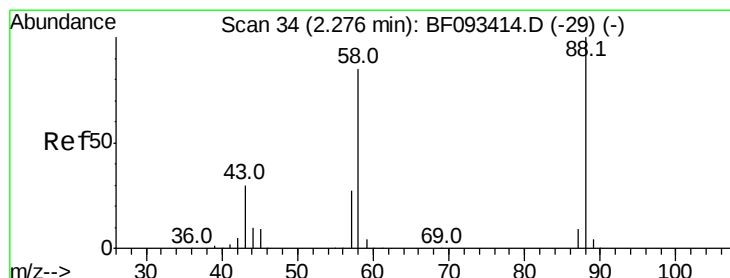
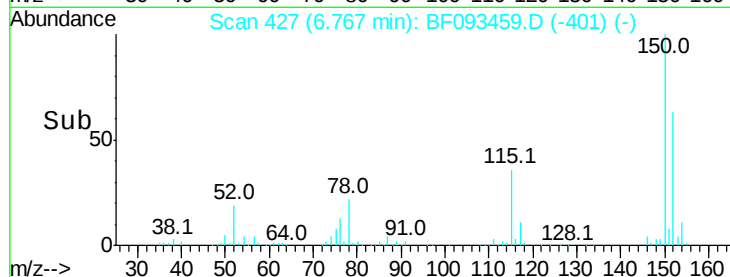
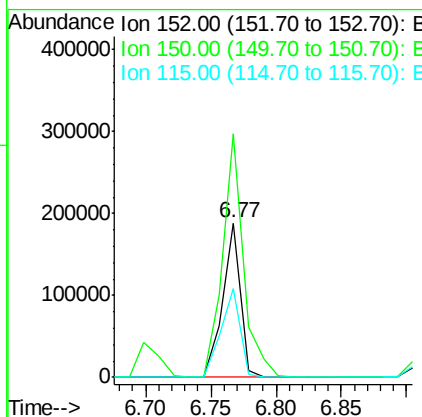
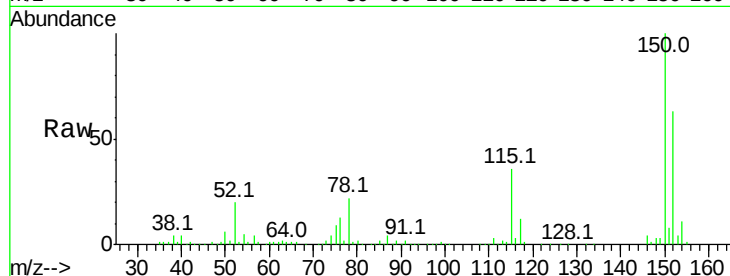
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 427  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.1 | 124.9 | 187.3 |
| 115     | 57.5  | 46.0  | 69.0  |

Manual Integrations  
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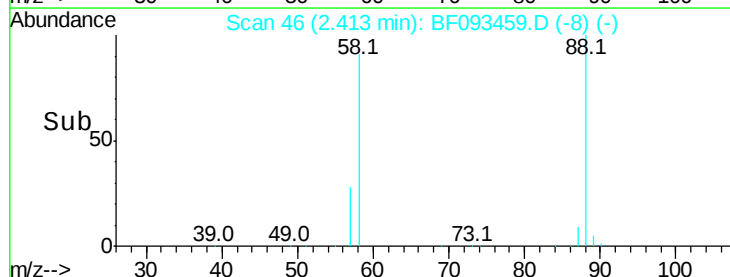
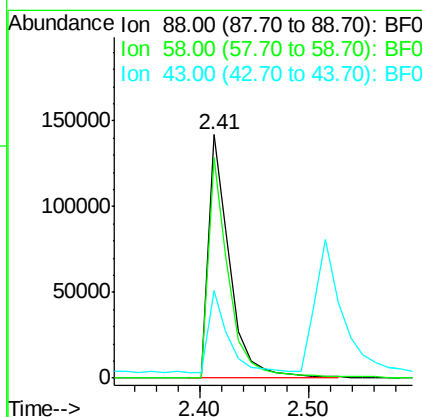
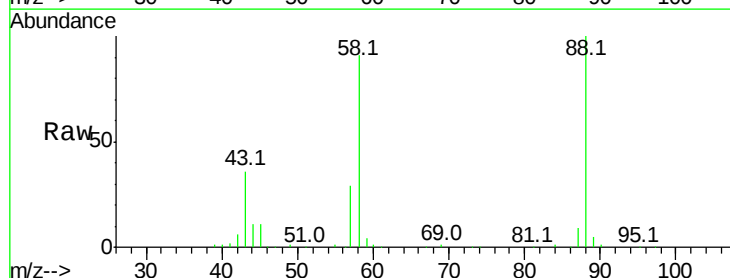
mohammad  
3/10/2017 8:12:47 AM

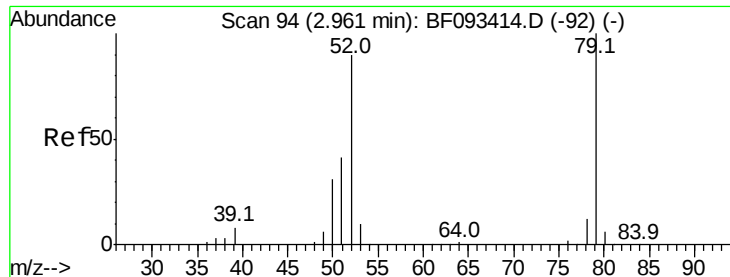


#2

1,4-Dioxane  
Concen: 32.54 ng  
RT: 2.41 min Scan# 46  
Delta R.T. 0.14 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 88.1  | 57.8  | 86.8# |
| 43      | 0.0   | 22.3  | 33.5# |





#3

Pvridine

Concen: 25.67 ng/ml

RT: 3.12 min Scan# 108

Delta R.T. 0.16 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

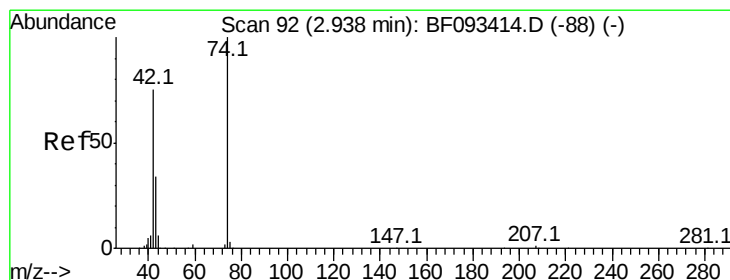
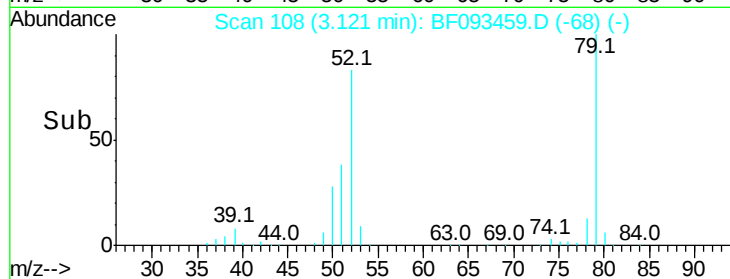
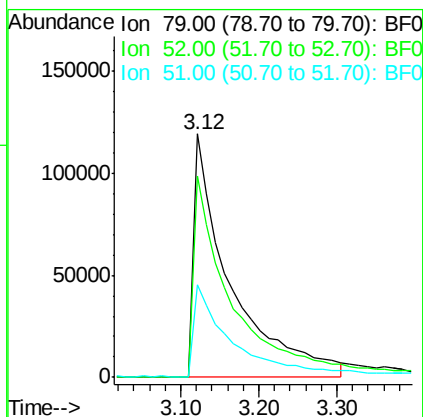
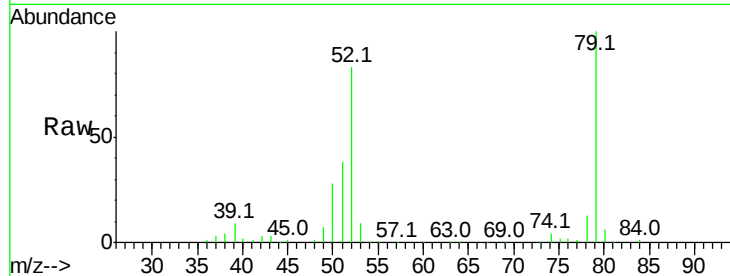
ClientSampleId :

WC-B46-B47-001MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 387397 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 82.6  | 57.1  | 85.7   |
| 51        | 38.1  | 27.3  | 40.9   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 36.60 ng/ml

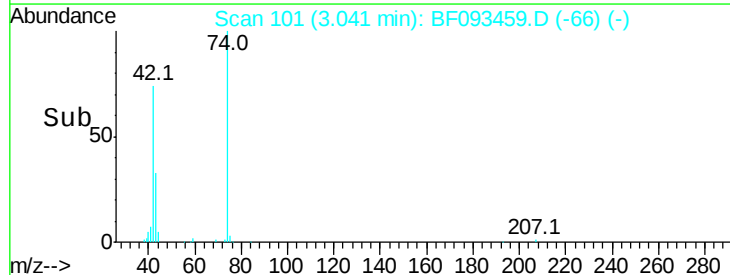
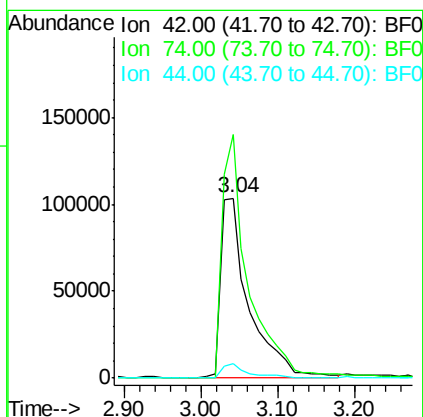
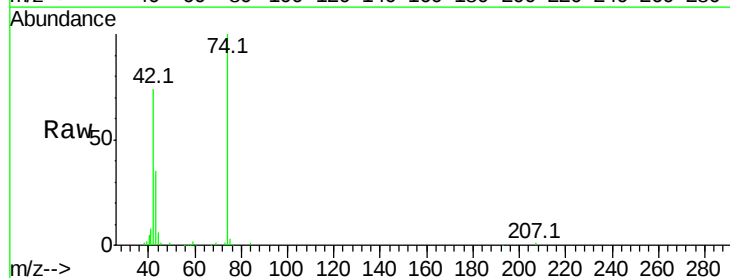
RT: 3.04 min Scan# 101

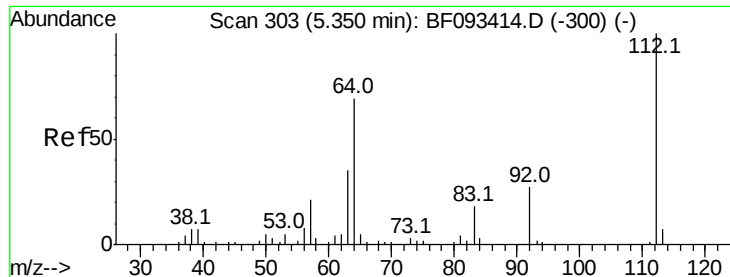
Delta R.T. 0.10 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 263804 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 135.4 | 117.0 | 175.4  |
| 44        | 7.8   | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 112.63 ng

RT: 5.37 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:112 Resp: 1210369

Ion Ratio Lower Upper

112 100

64 66.3 46.1 69.1

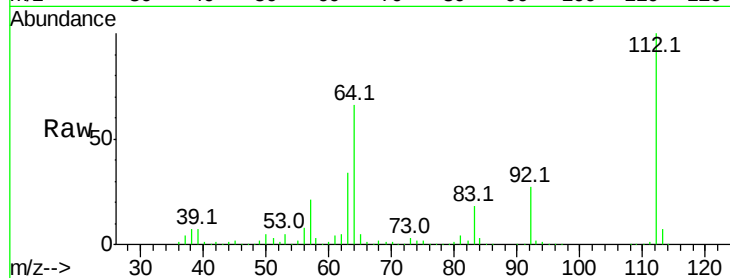
63 33.9 23.8 35.6

Manual Integrations

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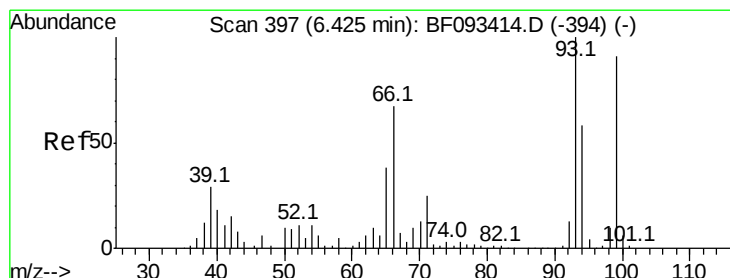
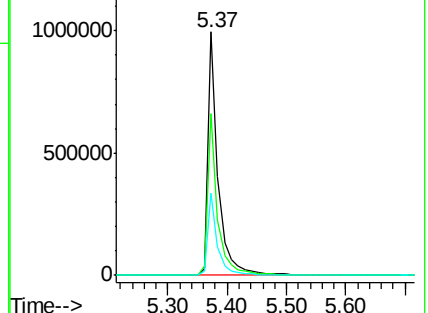
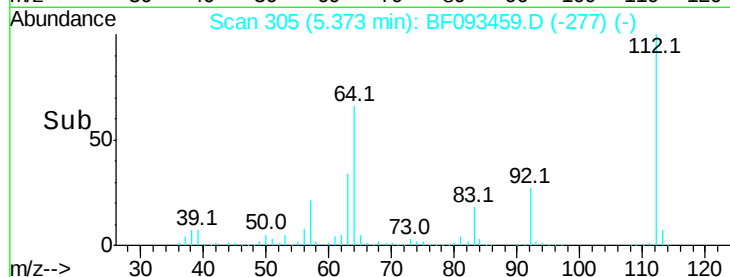
3/10/2017 8:12:47 AM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 7.71 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

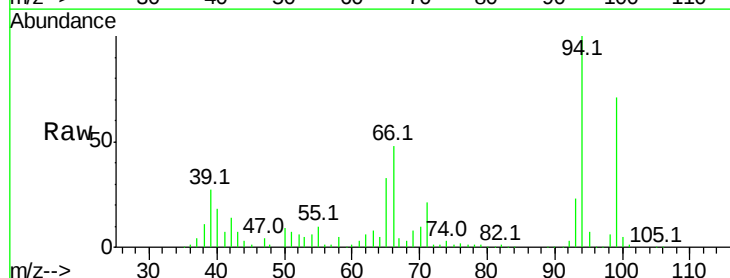
Tgt Ion: 93 Resp: 143380

Ion Ratio Lower Upper

93 100

66 209.1 76.2 114.2#

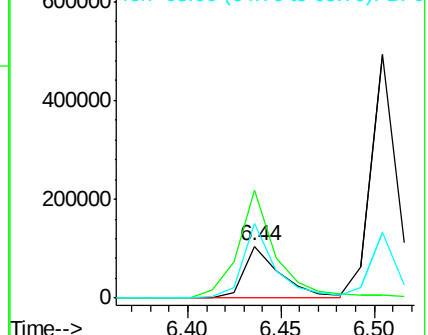
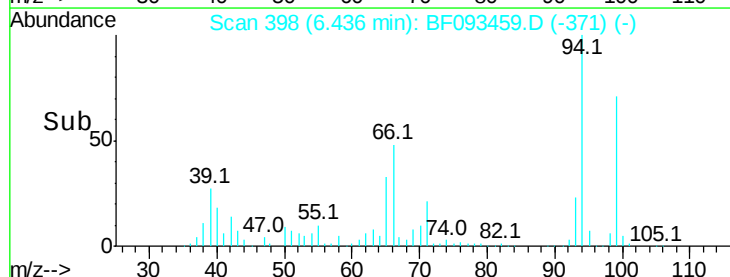
65 145.0 49.3 73.9#

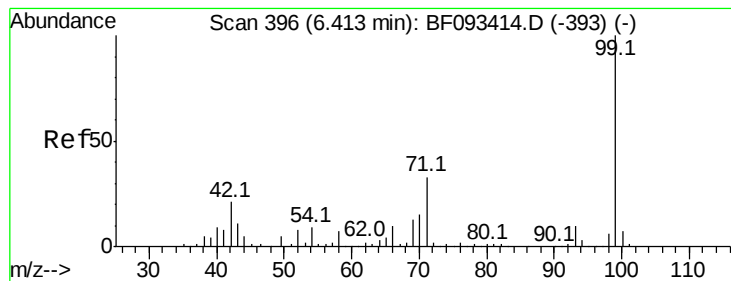


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 108.15 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion: 99 Resp: 1465708

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

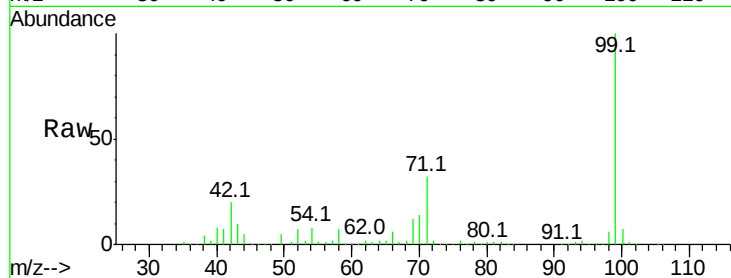
71 31.9 27.5 41.3

Manual Integrations

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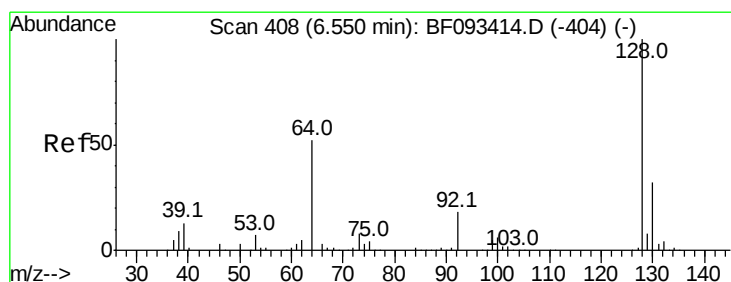
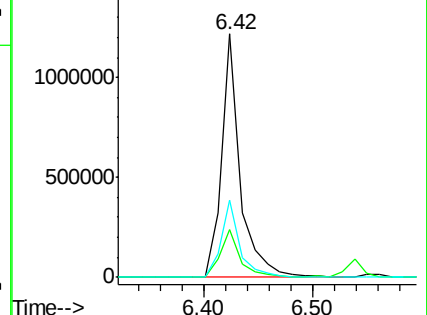
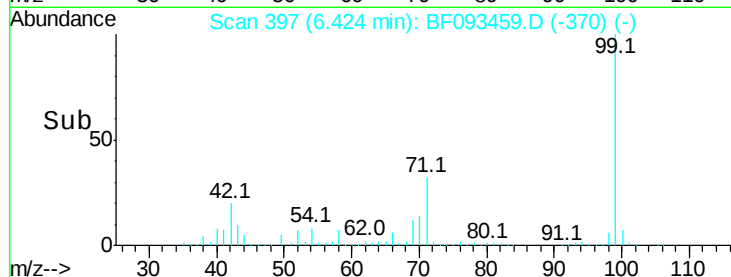
3/10/2017 8:12:47 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 35.68 ng

RT: 6.56 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

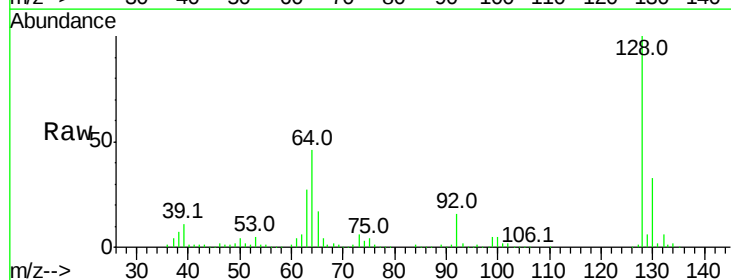
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Ion Ratio Lower Upper

128 100

130 33.1 12.3 52.3

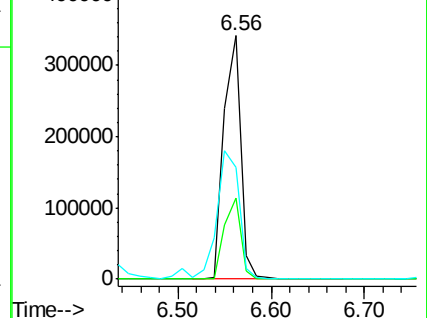
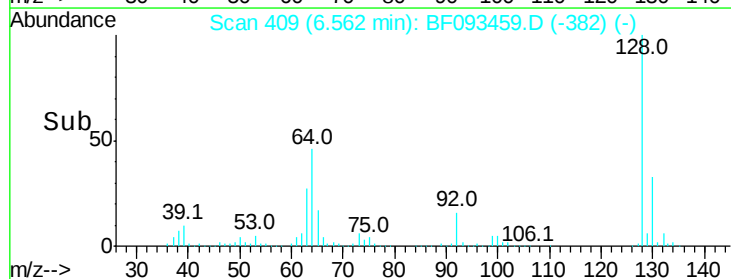
64 45.7 32.2 72.2

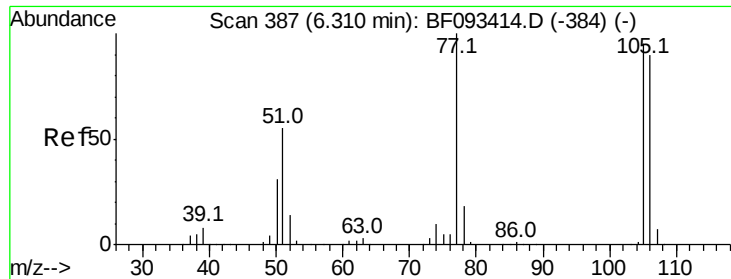


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.30 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

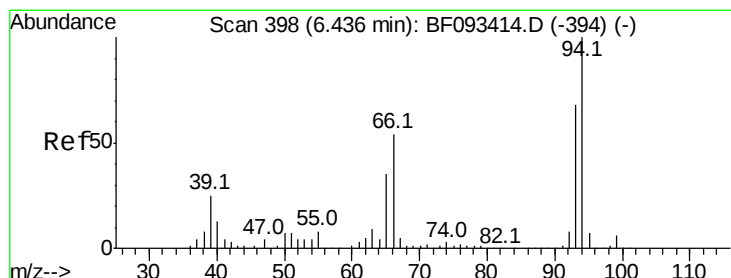
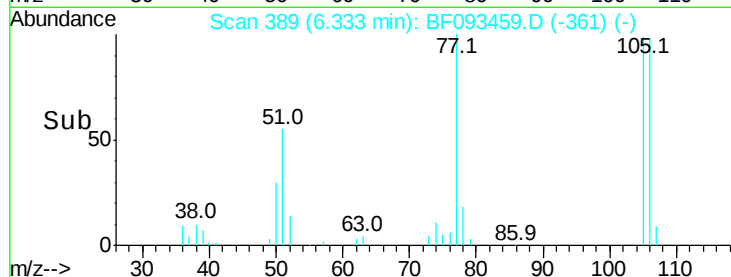
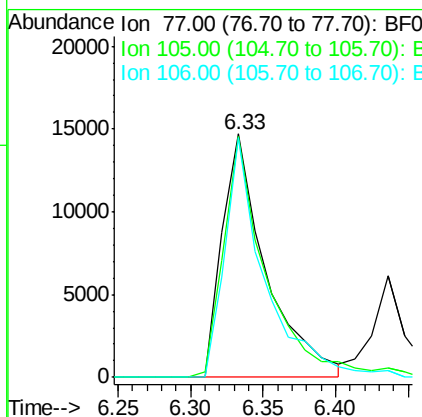
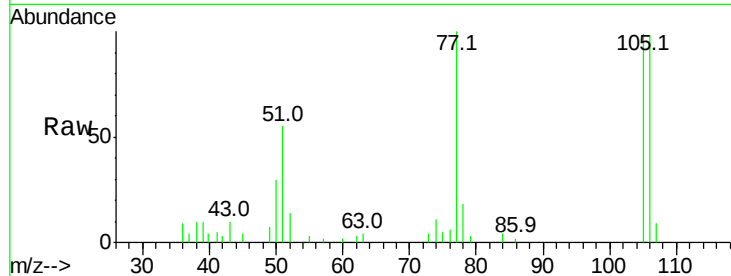
ClientSampleId :

WC-B46-B47-001MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 30667 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 99.1  | 83.9  | 123.9 |
| 106      | 98.4  | 77.6  | 117.6 |

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#10

Phenol

Concen: 34.11 ng

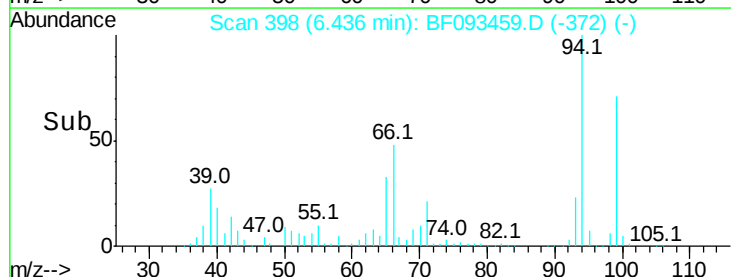
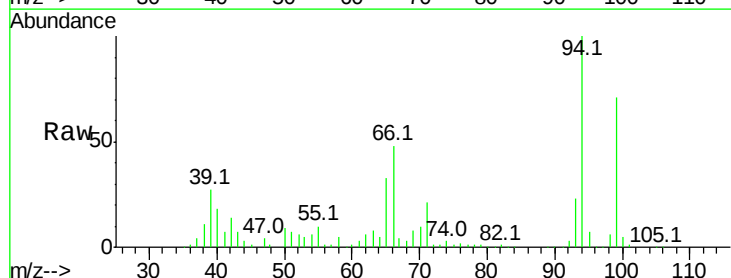
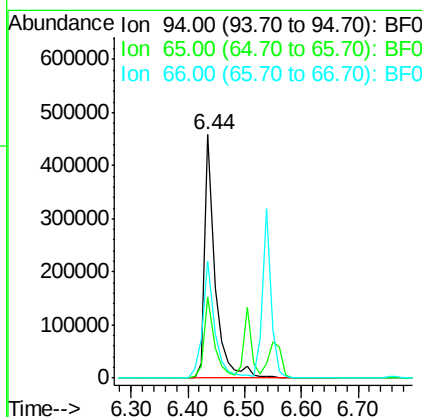
RT: 6.44 min Scan# 398

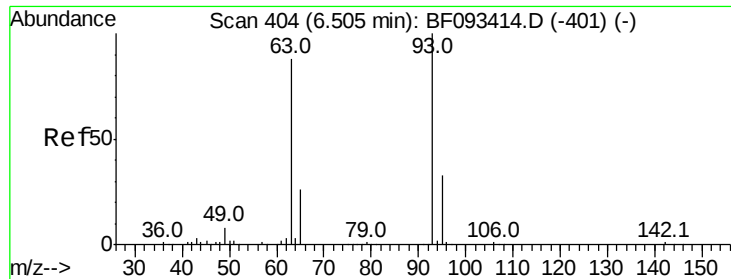
Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 566443 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 33.1  | 21.4  | 61.4   |
| 66       | 47.8  | 44.0  | 84.0   |





#11

bis(2-Chloroethyl)ether

Concen: 33.81 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

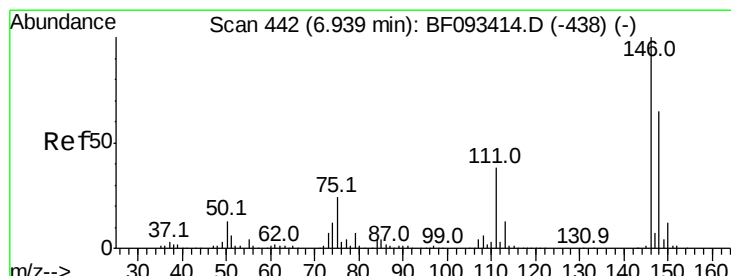
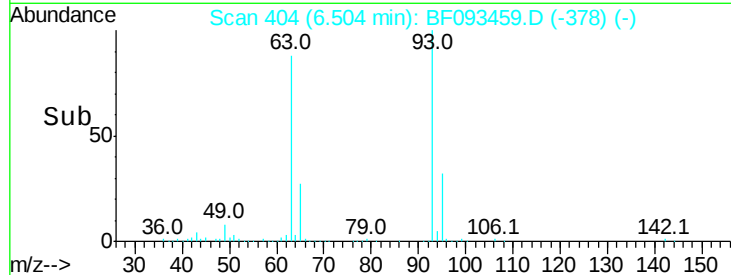
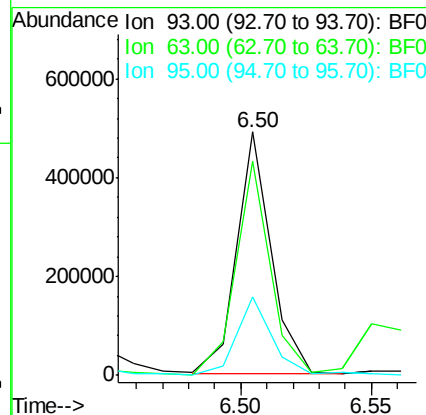
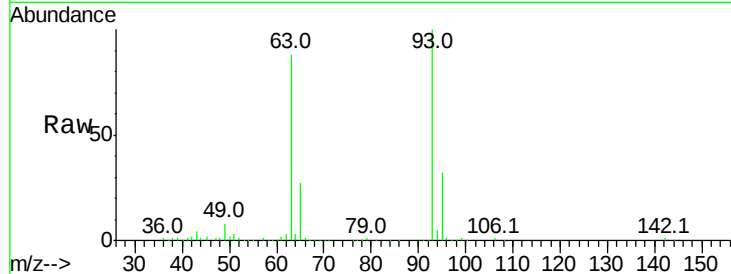
ClientSampleId :

WC-B46-B47-001MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 453774 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 87.9  | 60.4  | 100.4  |
| 95        | 32.3  | 12.8  | 52.8   |

Manual Integrations  
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#12

1,3-Dichlorobenzene

Concen: 34.22 ng m

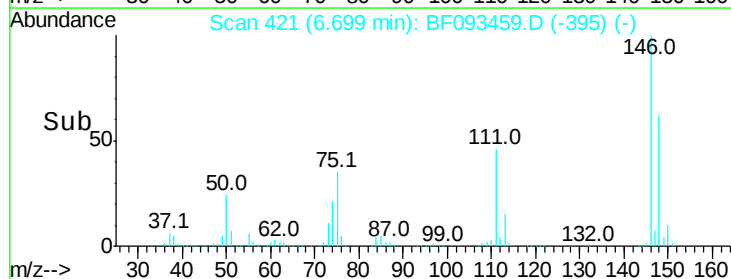
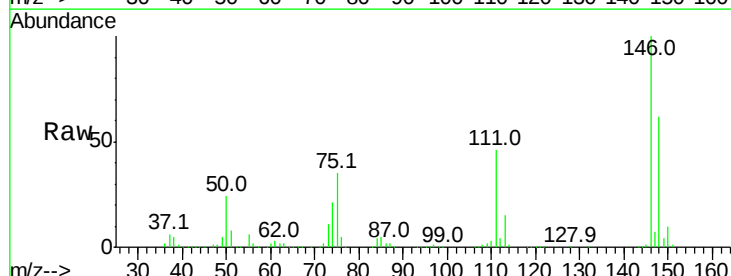
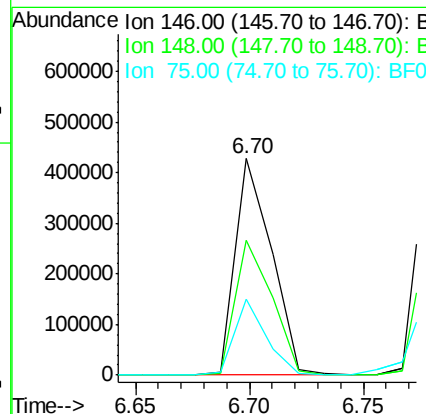
RT: 6.70 min Scan# 421

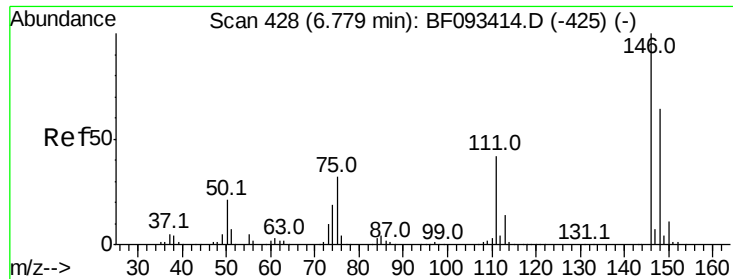
Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 471658 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.1  | 53.4  | 80.0   |
| 75        | 35.0  | 18.5  | 27.7#  |





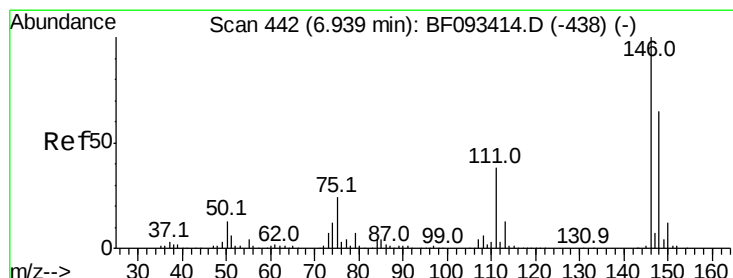
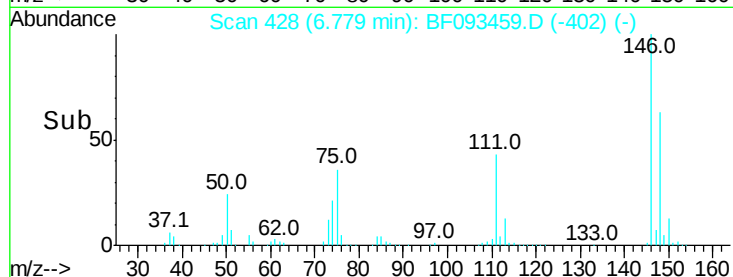
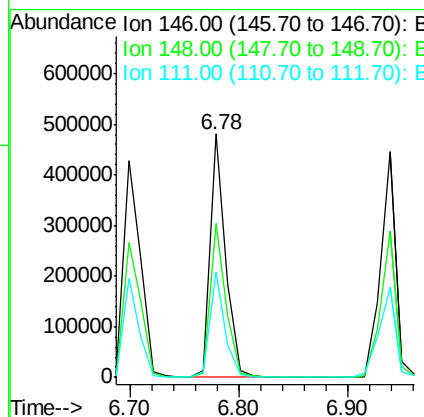
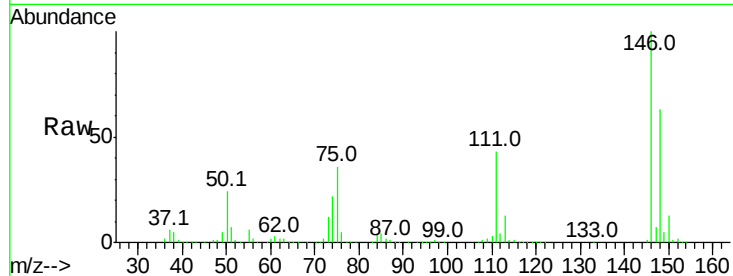
#13  
 1,4-Dichlorobenzene  
 Concen: 34.16 ng  
 RT: 6.78 min Scan# 428  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 50.6  | 76.0  |
| 111     | 43.3  | 36.2  | 54.4  |

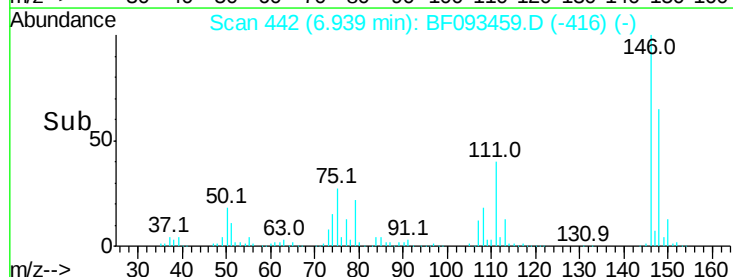
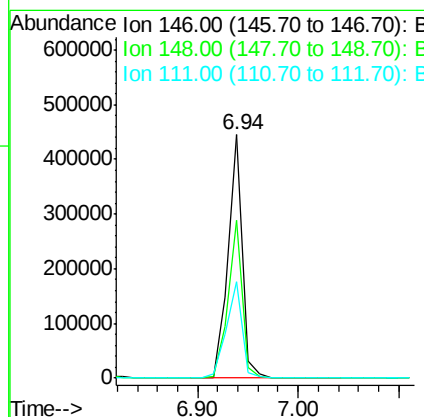
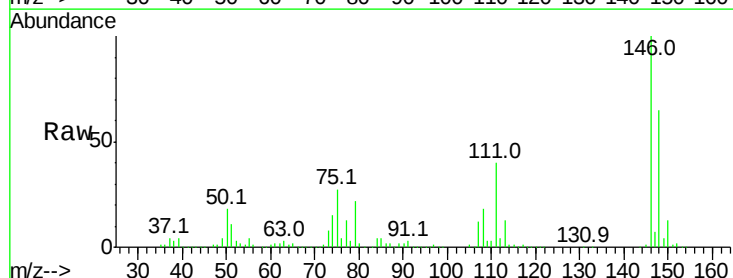
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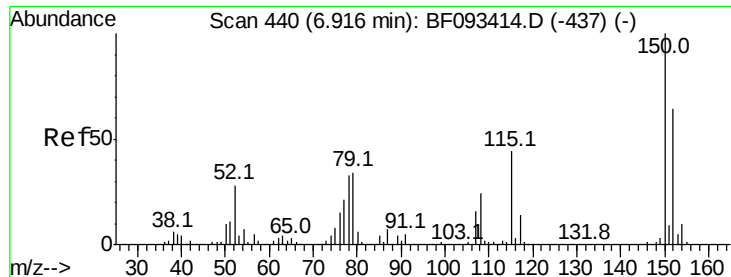
mohammad  
 3/10/2017 8:12:47 AM



#14  
 1,2-Dichlorobenzene  
 Concen: 34.86 ng  
 RT: 6.94 min Scan# 442  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 52.2  | 78.2  |
| 111     | 39.7  | 36.2  | 54.2  |





#15

Benzyl Alcohol

Concen: 37.14 ng

RT: 6.93 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion: 79 Resp: 358841

Ion Ratio Lower Upper

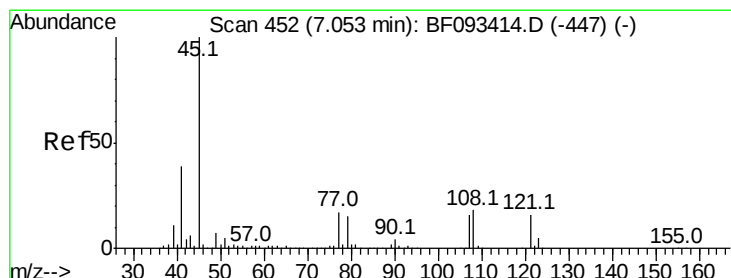
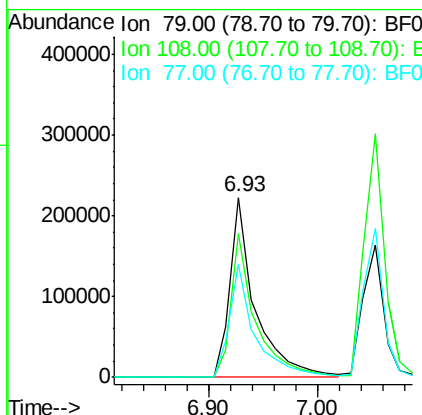
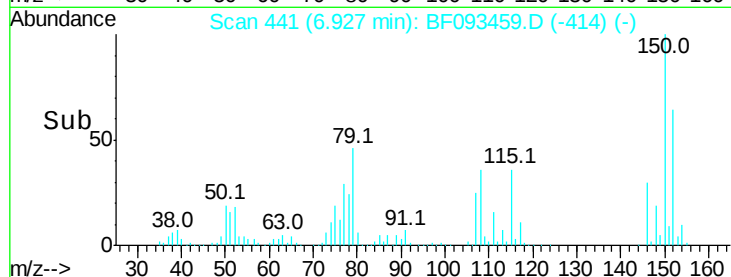
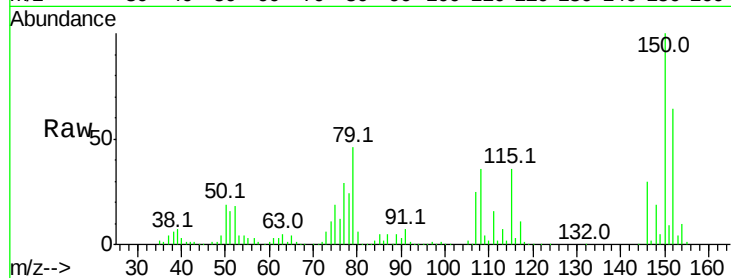
79 100

108 79.8 61.4 92.0

77 62.7 50.9 76.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.06 ng

RT: 7.05 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

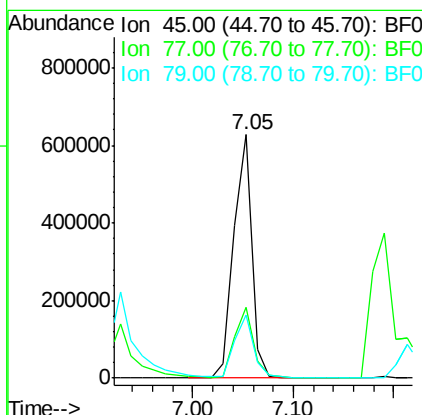
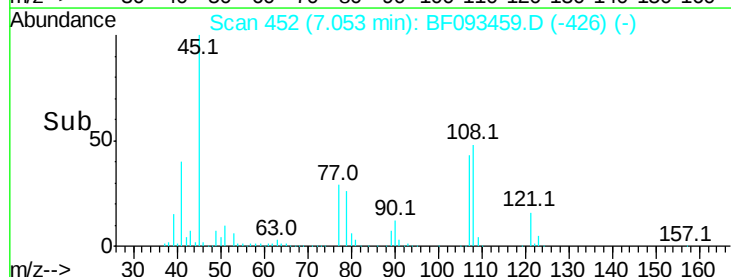
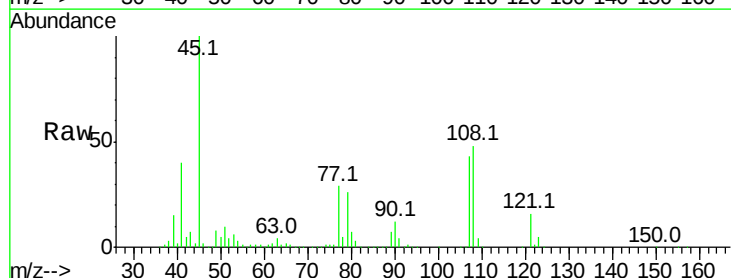
Tgt Ion: 45 Resp: 781617

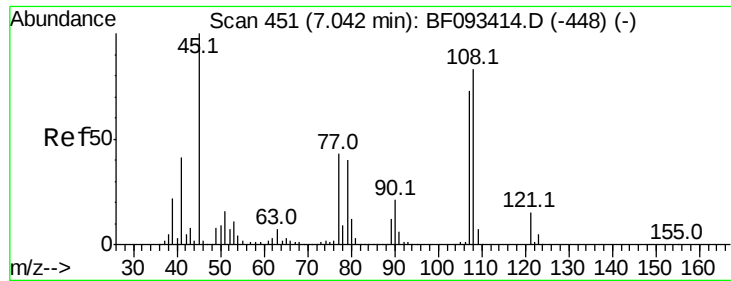
Ion Ratio Lower Upper

45 100

77 29.3 0.0 34.6

79 26.1 0.0 31.2





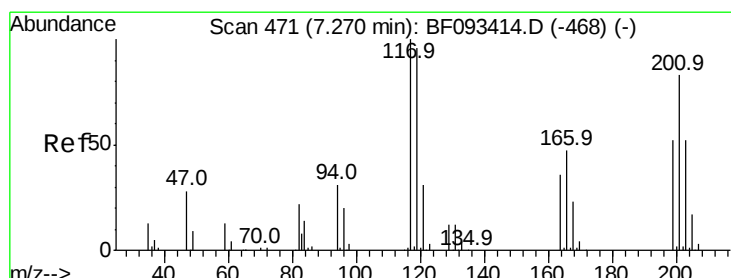
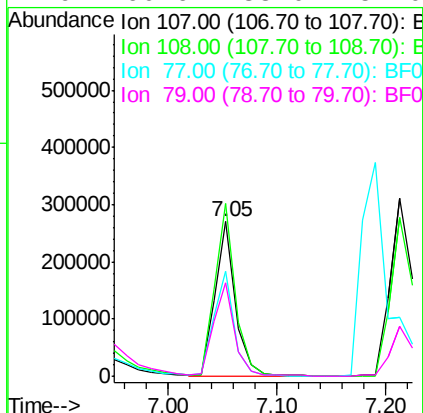
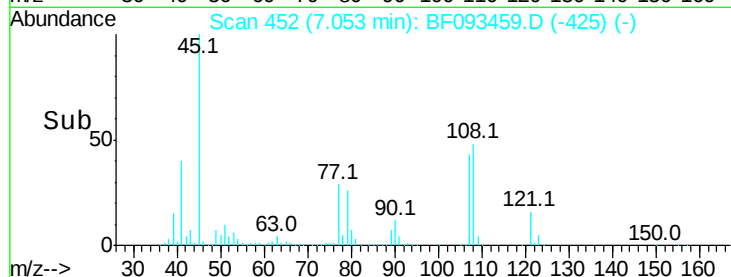
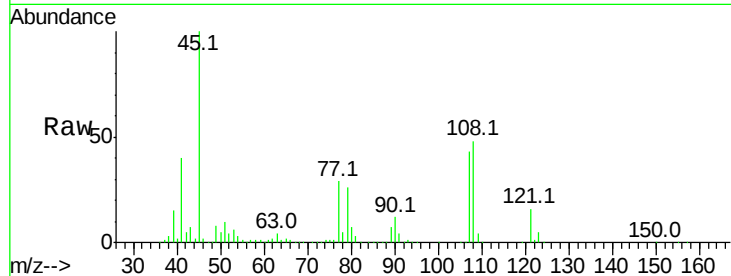
#17  
2-Methylphenol  
Concen: 34.36 ng  
RT: 7.05 min Scan# 452  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.5 | 93.0 | 139.6 |       |
| 77      | 68.1  | 39.8 | 59.8  |       |
| 79      | 60.6  | 38.0 | 57.0  |       |

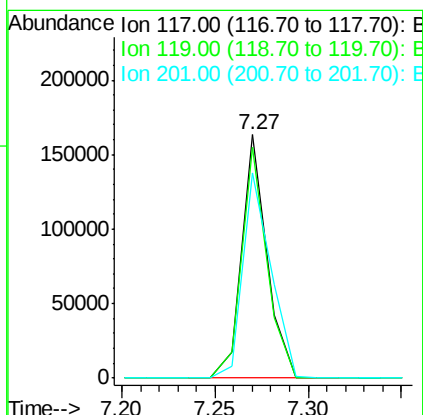
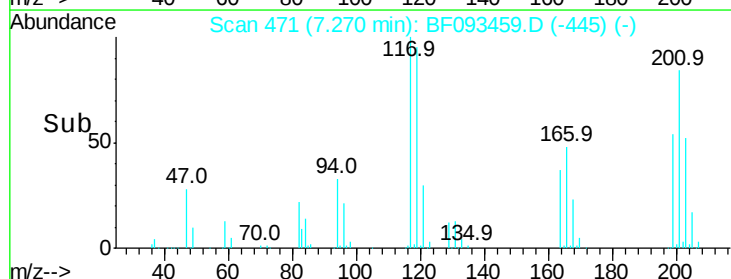
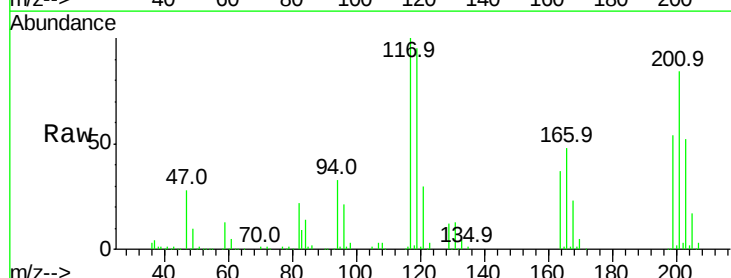
Manual Integrations  
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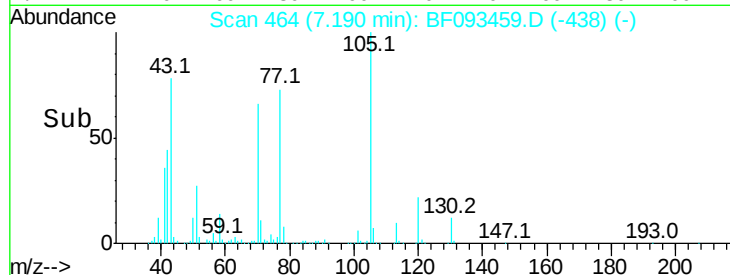
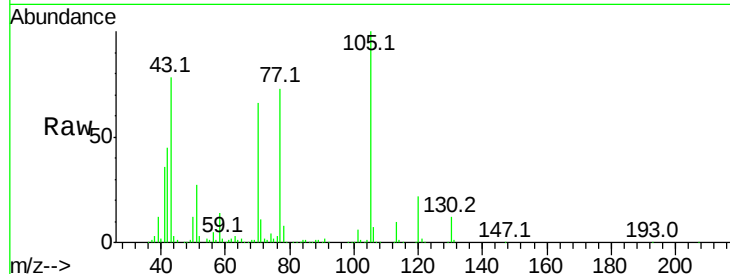
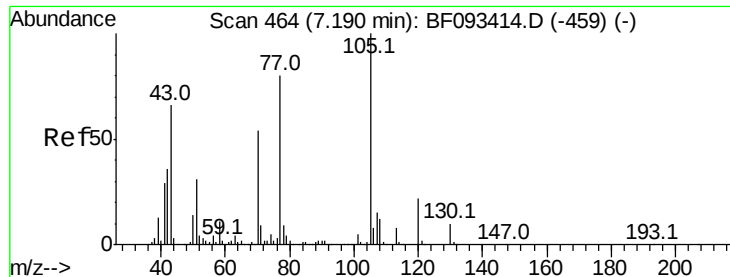
mohammad  
3/10/2017 8:12:47 AM



#18  
Hexachloroethane  
Concen: 32.13 ng  
RT: 7.27 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.7  | 78.1 | 117.1 |       |
| 201     | 84.2  | 78.6 | 117.8 |       |





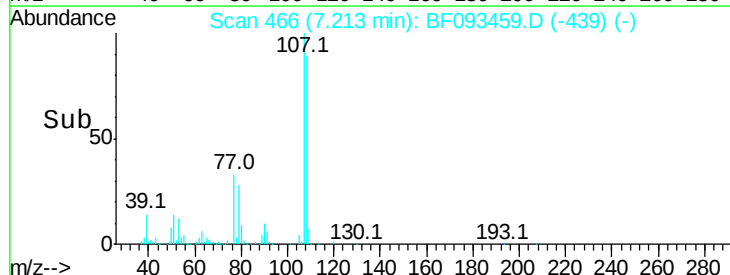
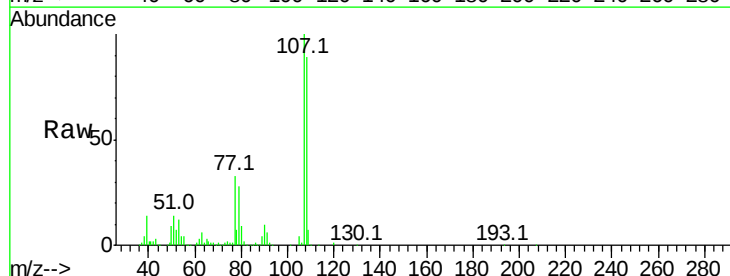
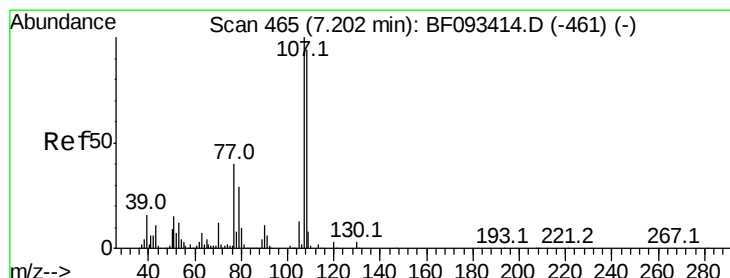
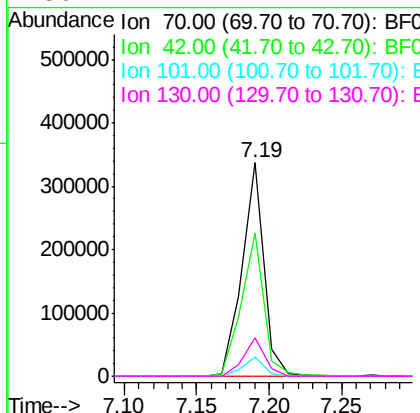
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.04 ng  
RT: 7.19 min Scan# 464  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 67.3  | 49.4  | 74.0  |
| 101     | 8.8   | 7.4   | 11.2  |
| 130     | 17.7  | 14.2  | 21.4  |

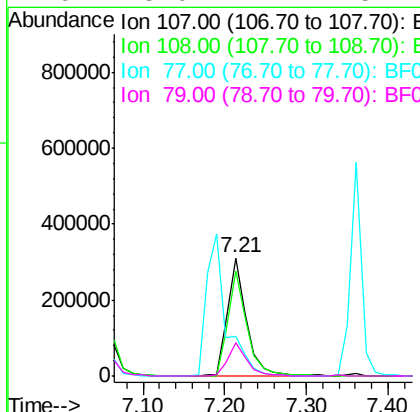
Manual Integrations  
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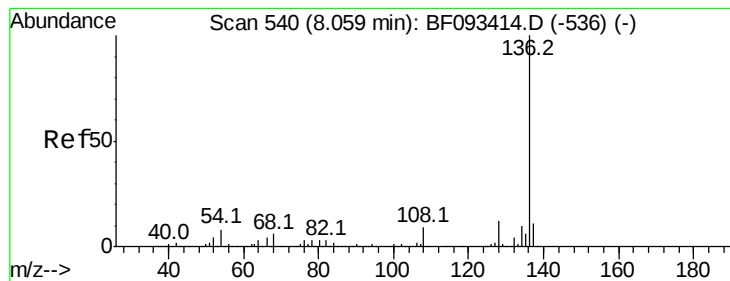
mohammad  
3/10/2017 8:12:47 AM



#20  
3+4-Methylphenols  
Concen: 37.27 ng  
RT: 7.21 min Scan# 466  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 89.3  | 73.0  | 113.0  |
| 77      | 33.2  | 71.3  | 111.3# |
| 79      | 28.0  | 11.1  | 51.1   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:136 Resp: 723778

Ion Ratio Lower Upper

136 100

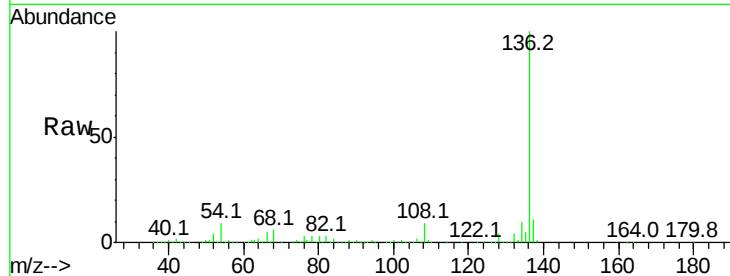
137 10.9 8.4 12.6

54 8.7 4.5 6.7#

68 6.4 3.6 5.4#

Manual Integrations  
APPROVED

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3/10/2017 8:12:47 AM

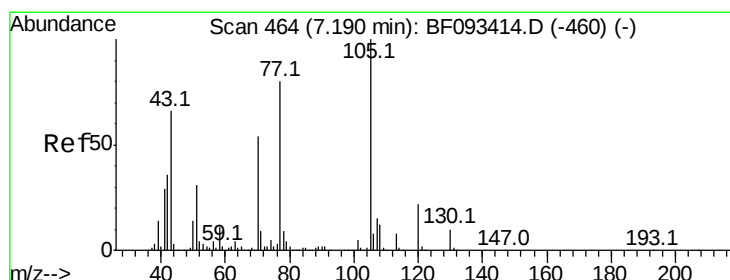
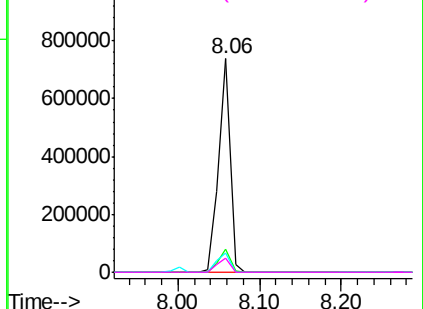
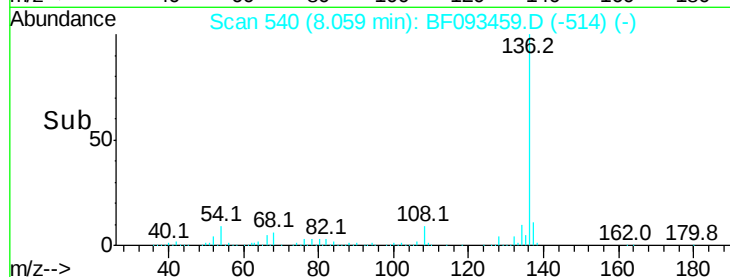


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 36.94 ng

RT: 7.19 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Tgt Ion:105 Resp: 643376

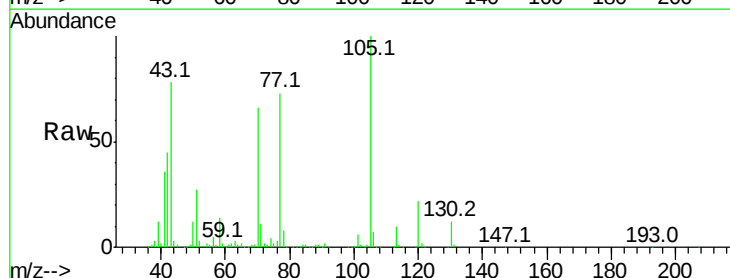
Ion Ratio Lower Upper

105 100

71 11.2 3.2 4.8#

51 27.1 26.2 39.4

120 21.7 16.6 24.8

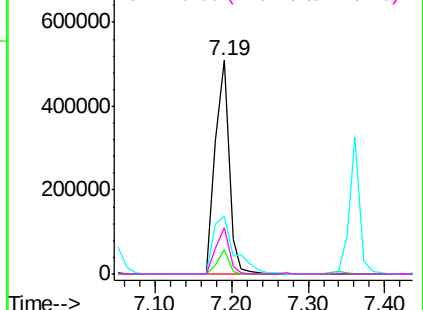
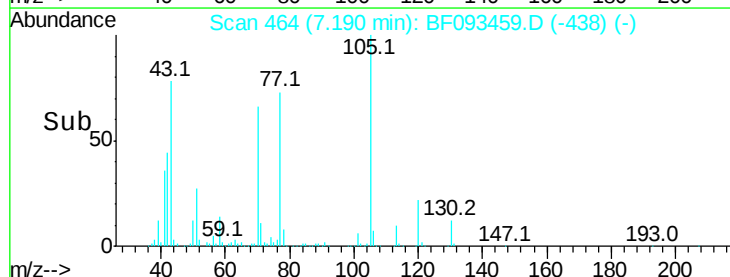


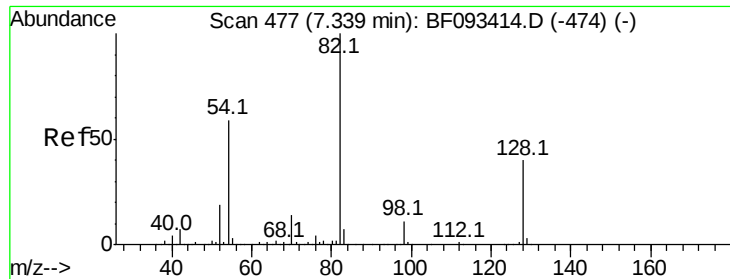
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





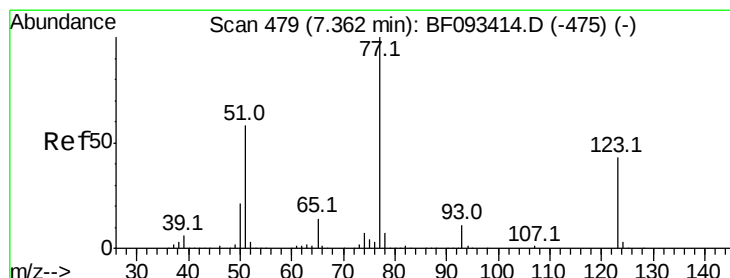
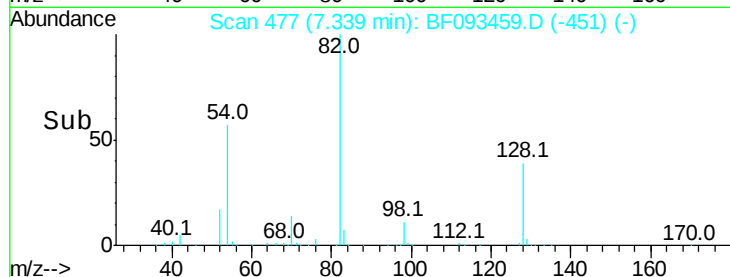
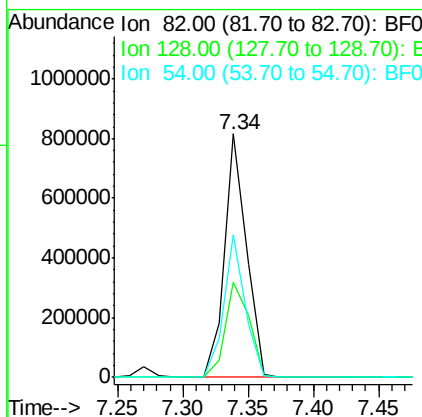
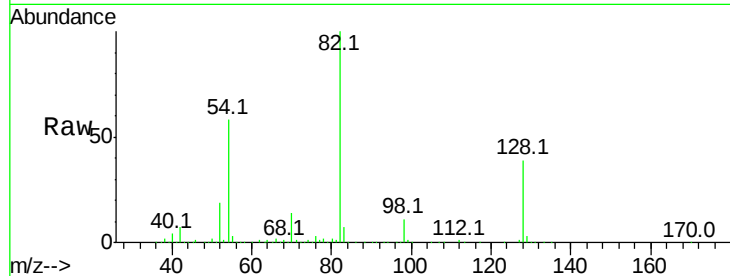
#23  
Nitrobenzene-d5  
Concen: 73.49 ng  
RT: 7.34 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 39.2  | 34.6 | 52.0  |       |
| 54      | 58.4  | 39.5 | 59.3  |       |

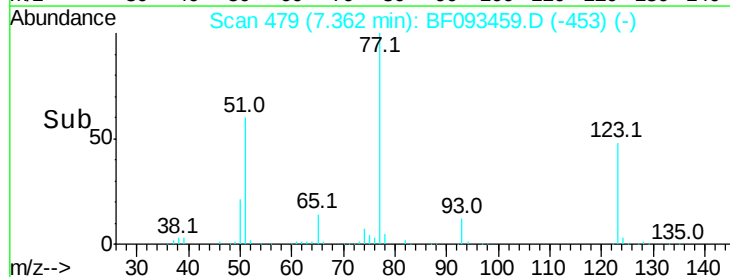
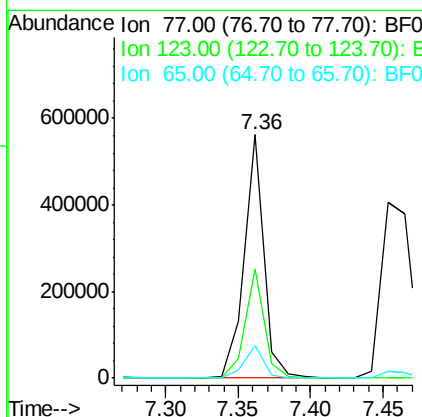
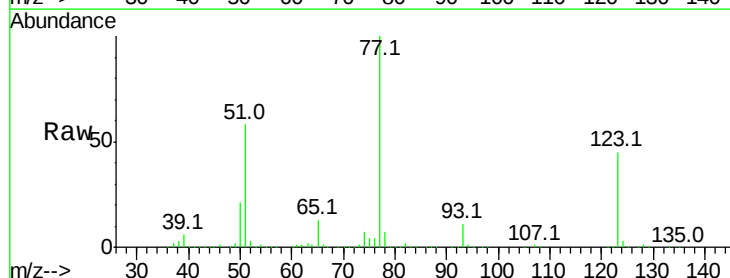
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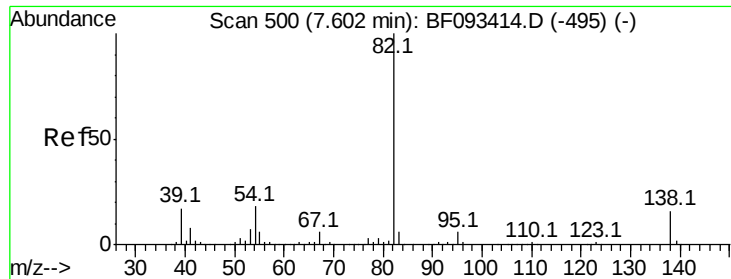
mohammad  
3/10/2017 8:12:47 AM



#24  
Nitrobenzene  
Concen: 35.90 ng  
RT: 7.36 min Scan# 479  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 44.8  | 33.0 | 49.4  |       |
| 65      | 13.4  | 11.2 | 16.8  |       |





#25

Isophorone

Concen: 35.14 ng

RT: 7.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

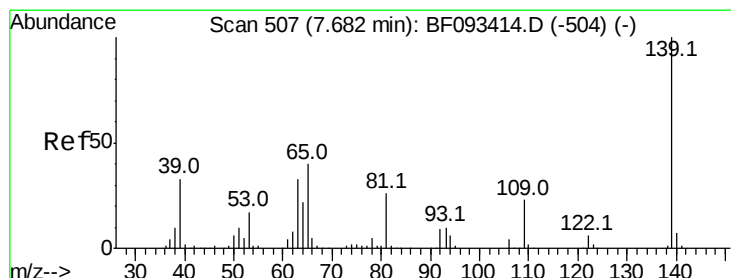
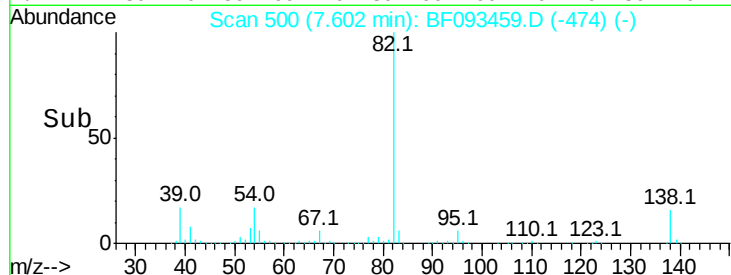
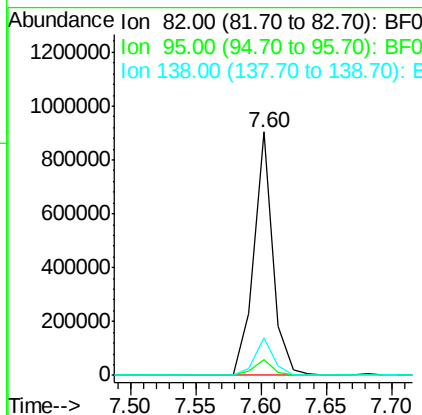
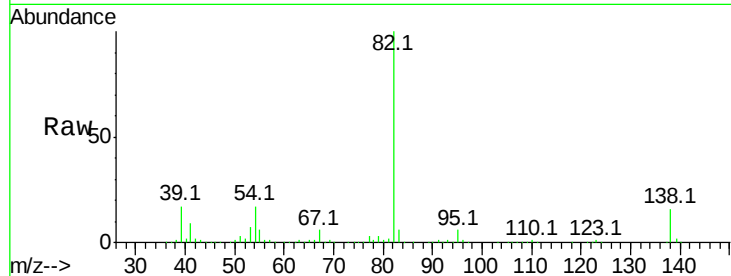
ClientSampleId :

WC-B46-B47-001MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 924429 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.3   | 5.6   | 8.4    |
| 138       | 15.7  | 14.6  | 22.0   |

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#26

2-Nitrophenol

Concen: 32.50 ng

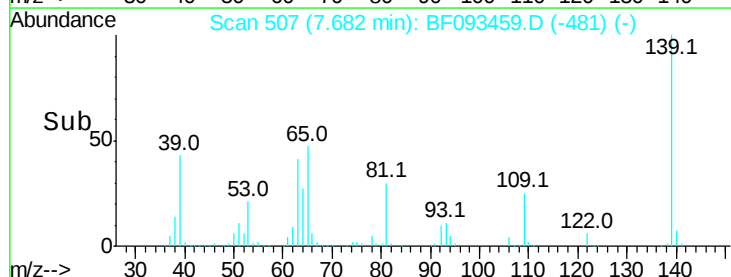
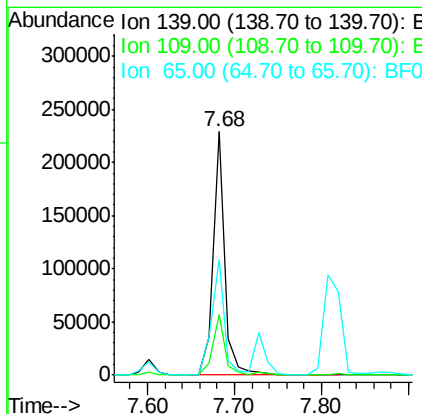
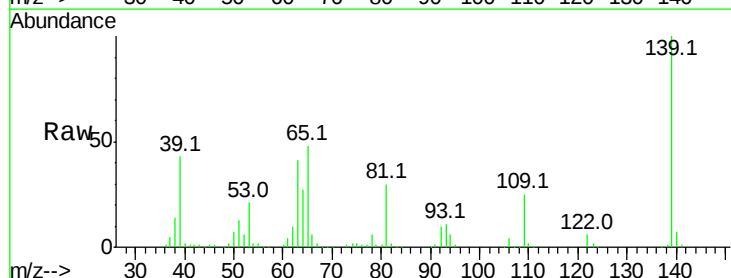
RT: 7.68 min Scan# 507

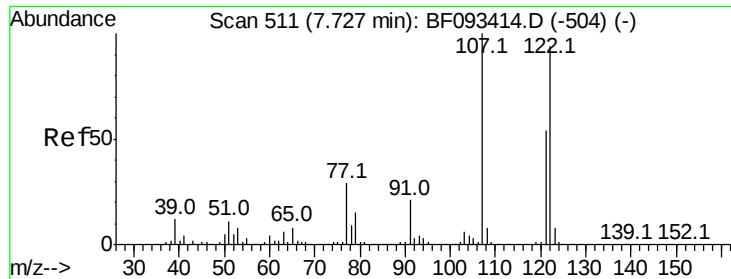
Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 217401 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 25.1  | 23.3  | 34.9   |
| 65        | 47.7  | 42.7  | 64.1   |





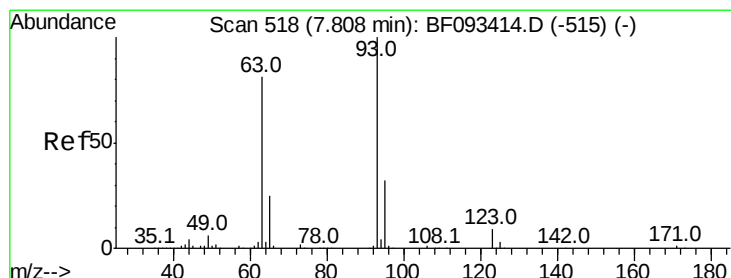
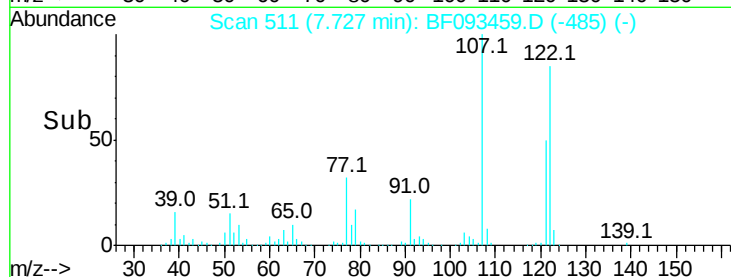
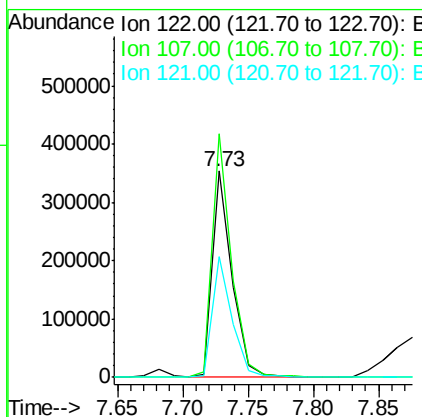
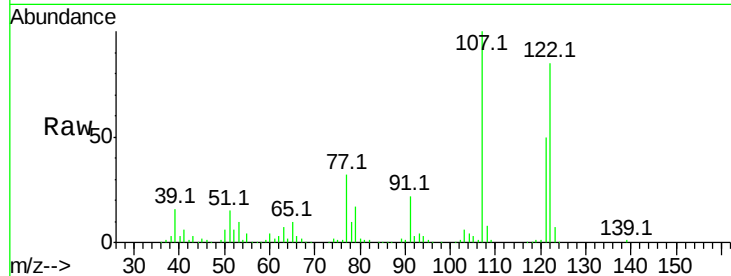
#27  
2,4-Dimethylphenol  
Concen: 34.20 ng  
RT: 7.73 min Scan# 511  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 118.1 | 94.1  | 141.1 |
| 121     | 58.8  | 46.0  | 69.0  |

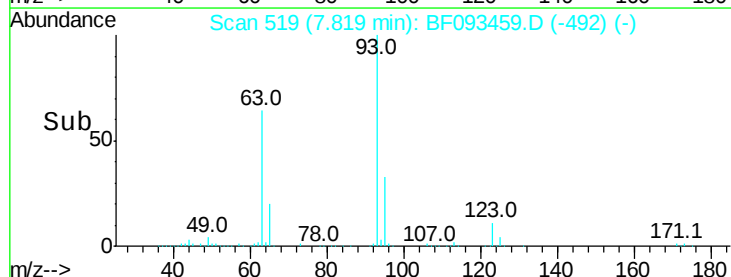
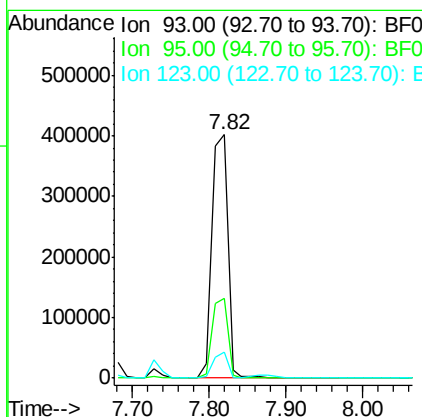
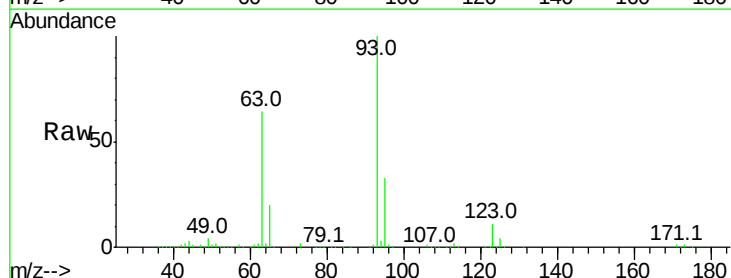
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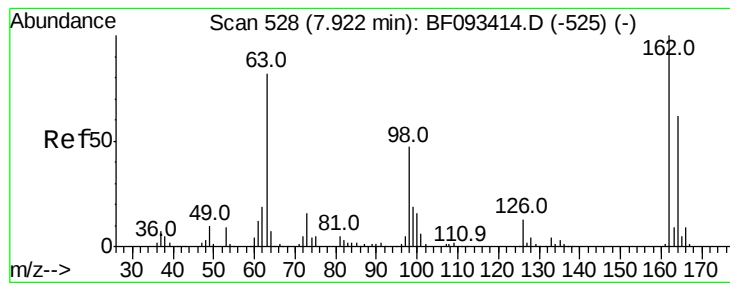
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#28  
bis(2-Chloroethoxy)methane  
Concen: 34.46 ng  
RT: 7.82 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.9  | 26.5  | 39.7  |
| 123     | 10.8  | 8.6   | 13.0  |





#29

2,4-Dichlorophenol

Concen: 36.81 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

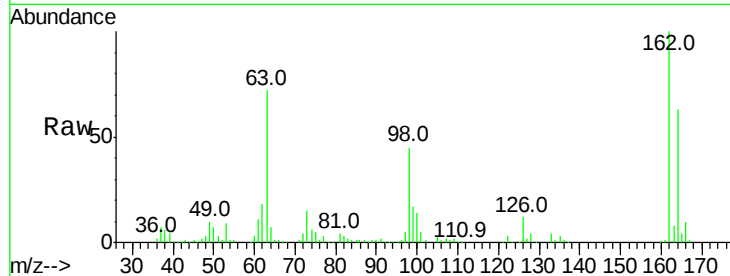
ClientSampleId :

WC-B46-B47-001MS

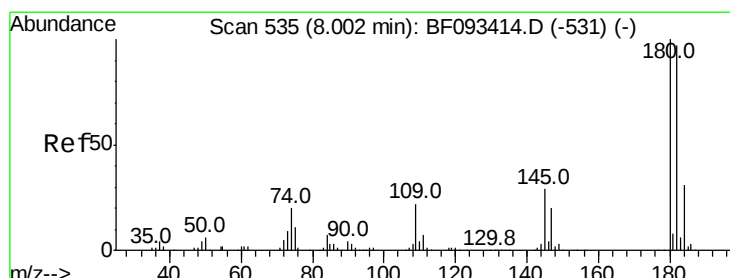
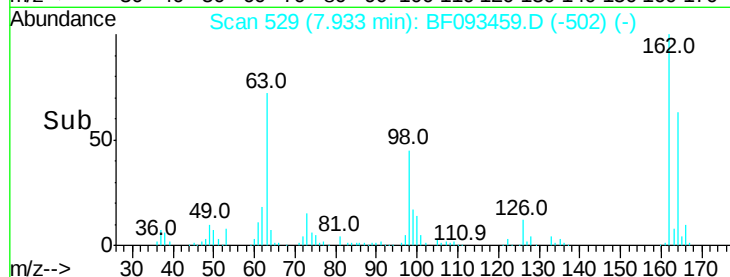
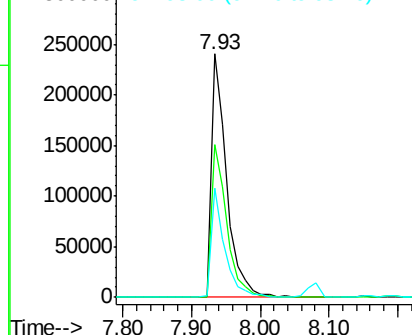
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 376786 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.8  | 46.8  | 86.8   |
| 98        | 44.9  | 9.1   | 49.1   |

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Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 35.52 ng

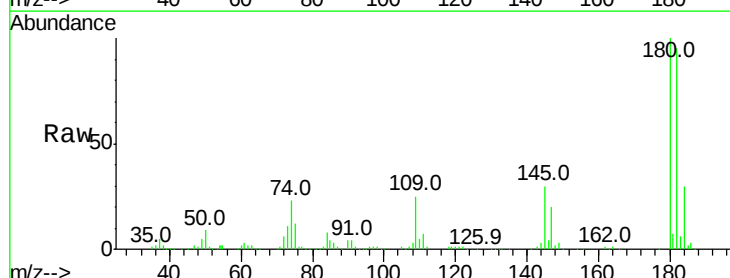
RT: 8.00 min Scan# 535

Delta R.T. -0.00 min

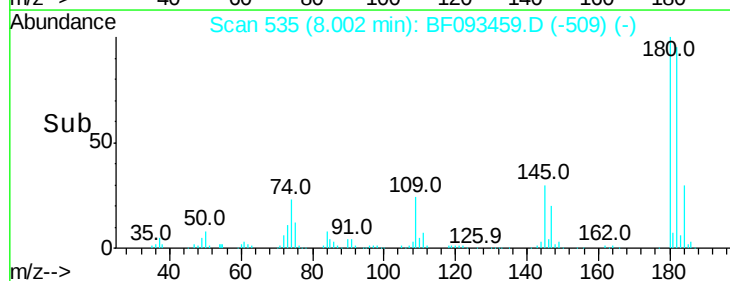
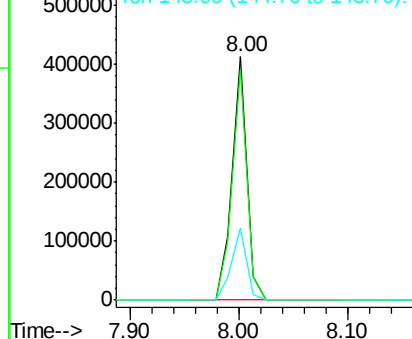
Lab File: BF093459.D

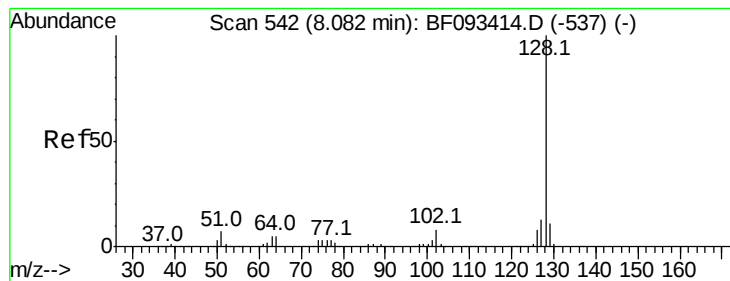
Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 386694 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 78.2  | 117.4  |
| 145       | 29.7  | 21.6  | 32.4   |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 34.41 ng

RT: 8.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:128 Resp: 1247928

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

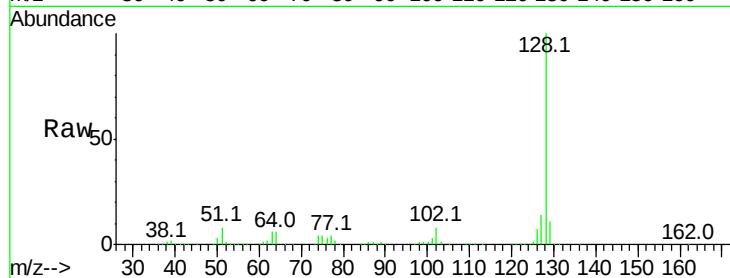
127 13.6 10.8 16.2

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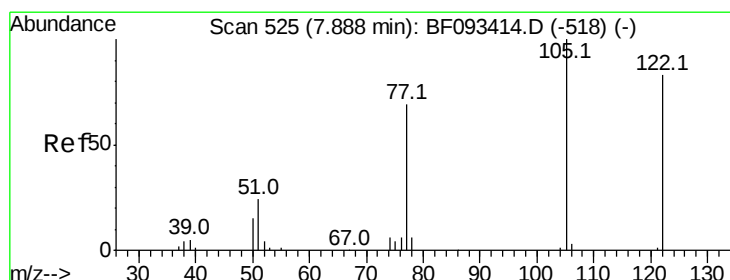
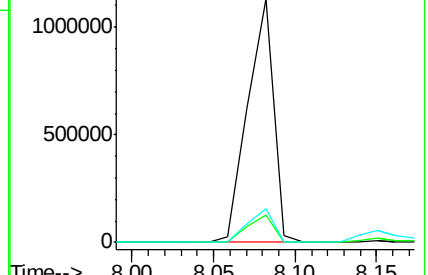
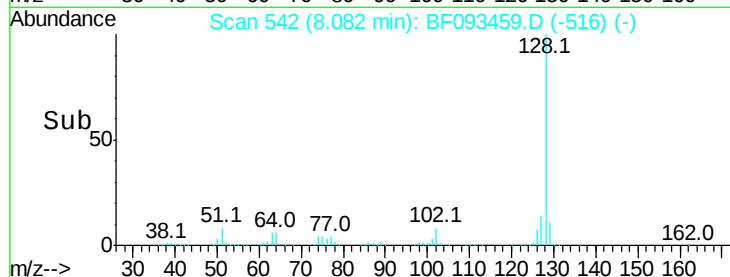
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.76 ng

RT: 7.88 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

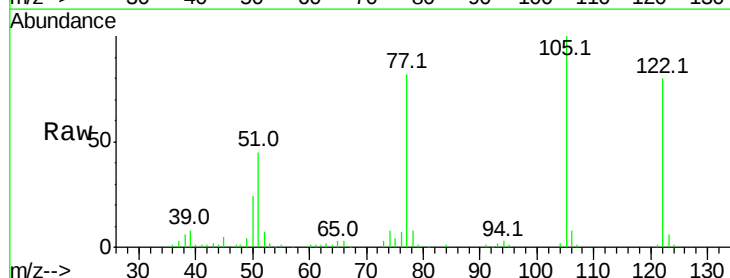
Tgt Ion:122 Resp: 168251

Ion Ratio Lower Upper

122 100

105 124.8 107.2 147.2

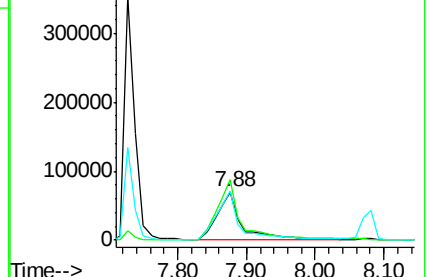
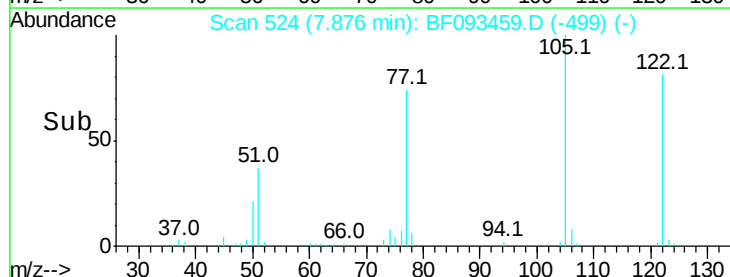
77 103.0 74.5 114.5

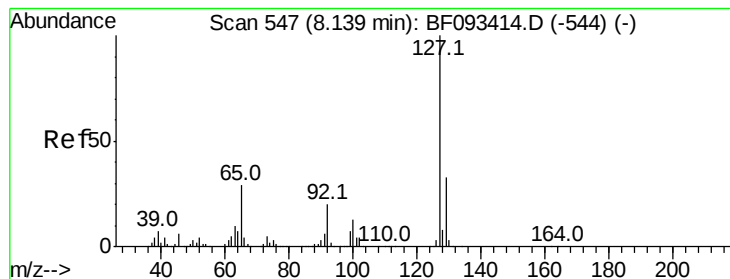


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 7.85 ng

RT: 8.15 min Scan# 548

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

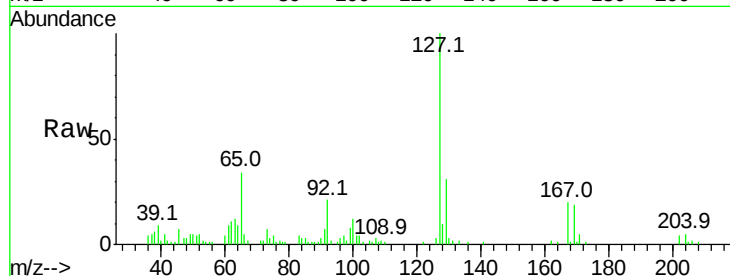
ClientSampleId :

WC-B46-B47-001MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 31.1  | 26.3 | 39.5  |       |
| 65      | 33.9  | 25.8 | 38.8  |       |
| 92      | 20.6  | 16.1 | 24.1  |       |

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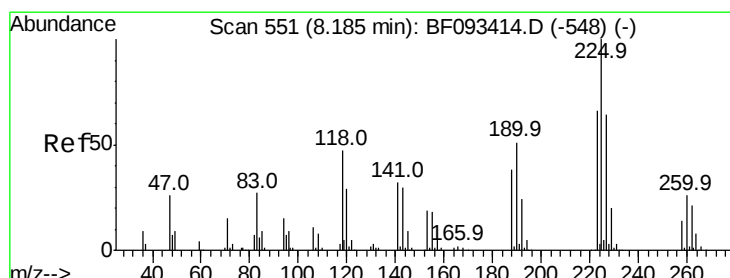
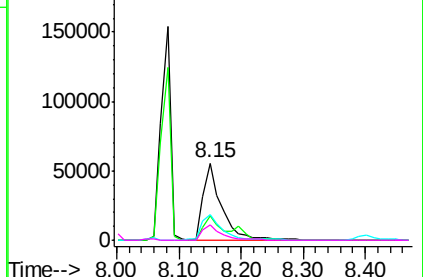
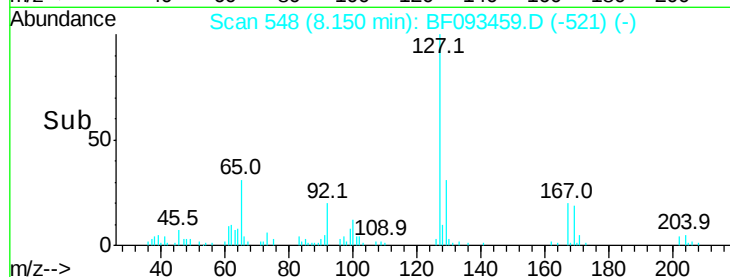


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 35.94 ng

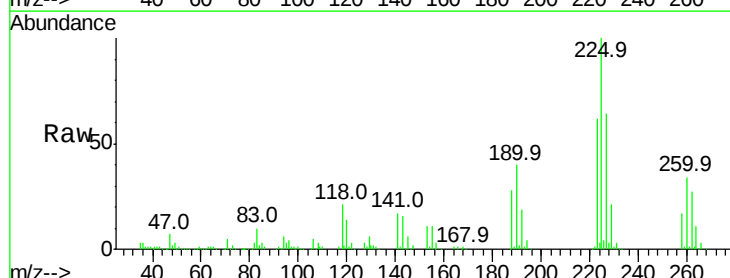
RT: 8.20 min Scan# 552

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

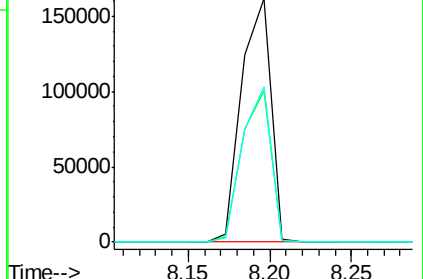
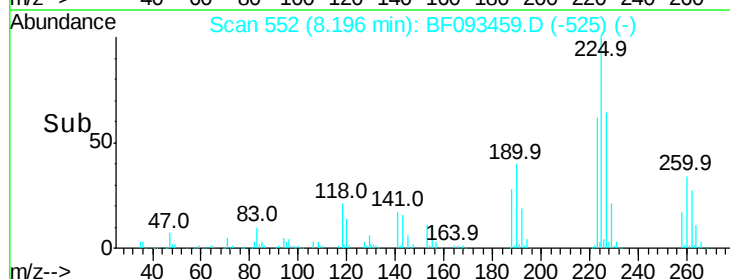
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.2  | 51.0 | 76.6  |       |
| 227     | 64.0  | 50.6 | 76.0  |       |

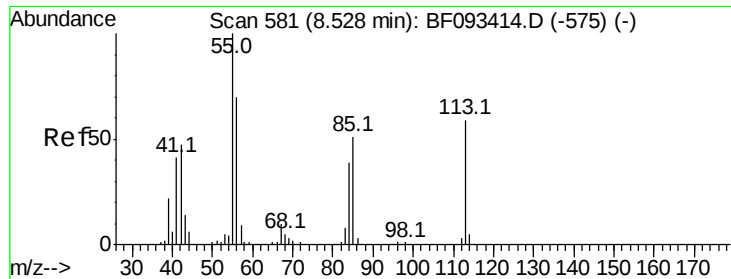


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





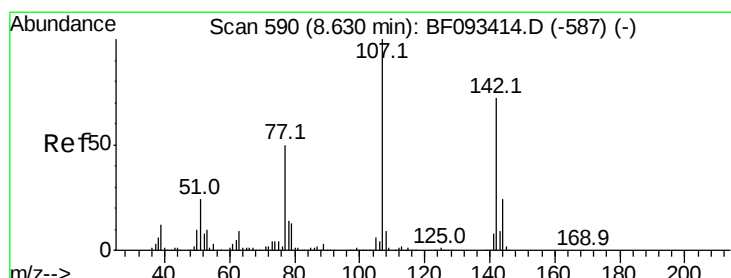
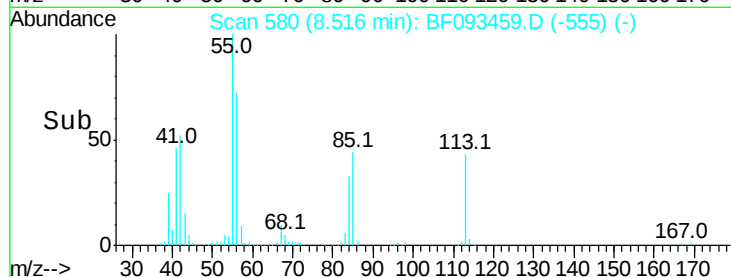
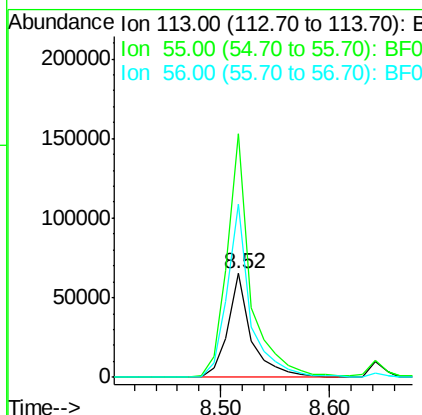
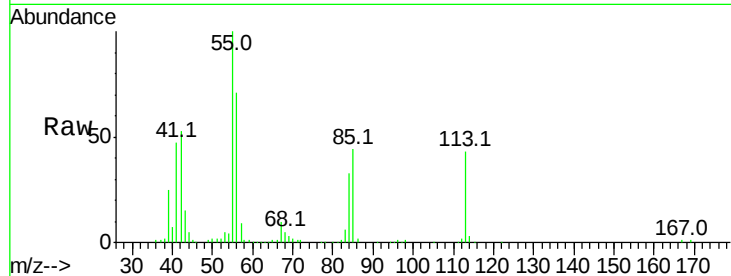
#35  
Caprolactam  
Concen: 28.11 ng  
RT: 8.52 min Scan# 580  
Delta R.T. -0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

Tot Ion:113 Resp: 98280  
Ion Ratio Lower Upper  
113 100  
55 234.6 119.2 159.2#  
56 167.4 83.8 123.8#

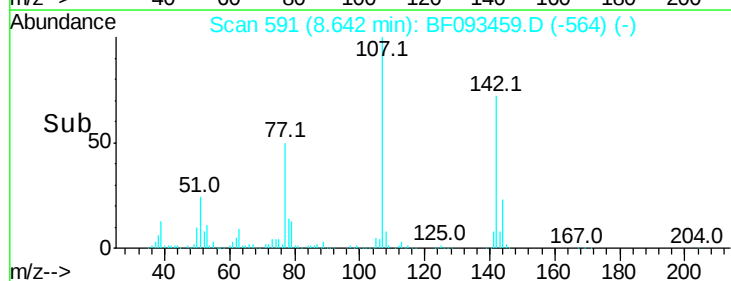
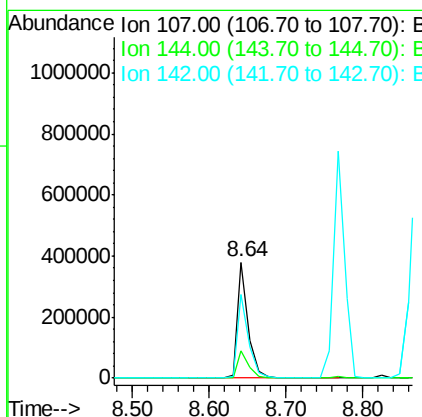
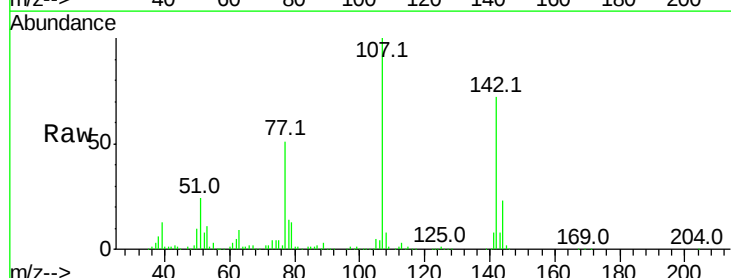
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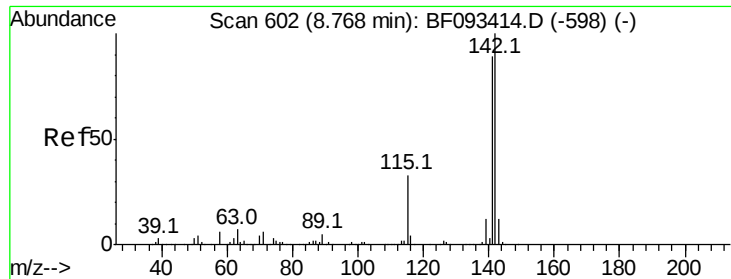
mohammad  
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#36  
4-Chloro-3-methylphenol  
Concen: 34.66 ng  
RT: 8.64 min Scan# 591  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Tgt Ion:107 Resp: 378728  
Ion Ratio Lower Upper  
107 100  
144 23.1 19.3 28.9  
142 72.0 59.0 88.6





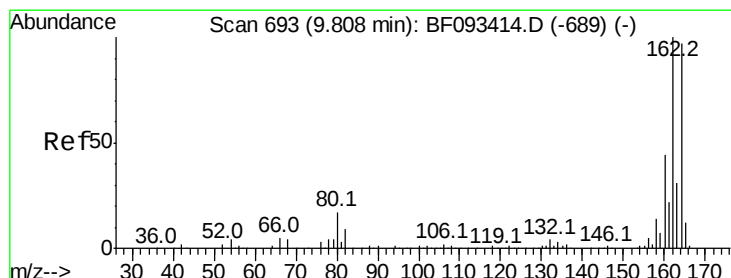
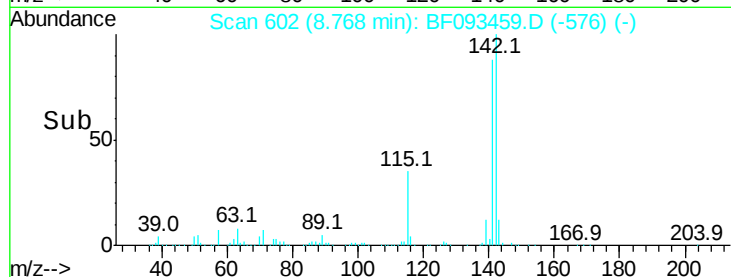
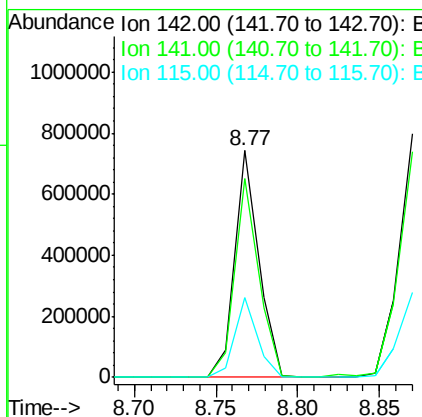
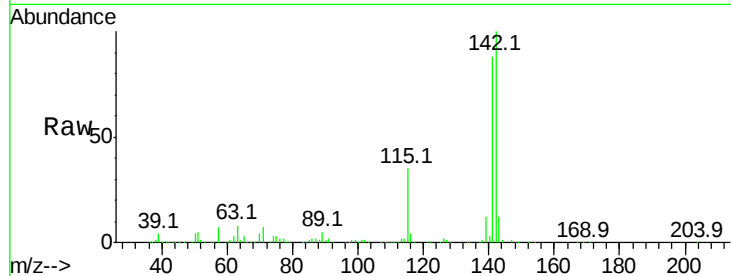
#37  
2-Methylnaphthalene  
Concen: 32.81 ng  
RT: 8.77 min Scan# 602  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.9  | 71.0  | 106.6 |
| 115     | 35.2  | 28.3  | 42.5  |

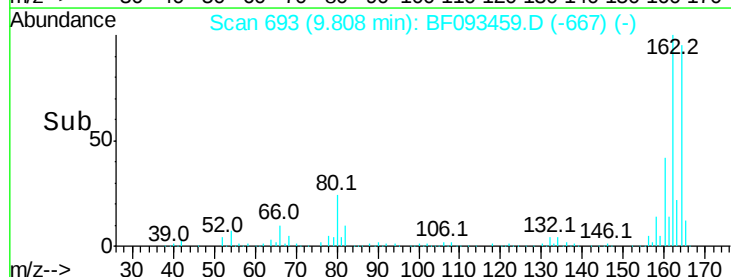
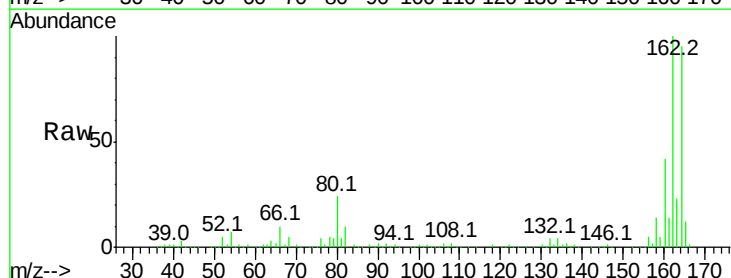
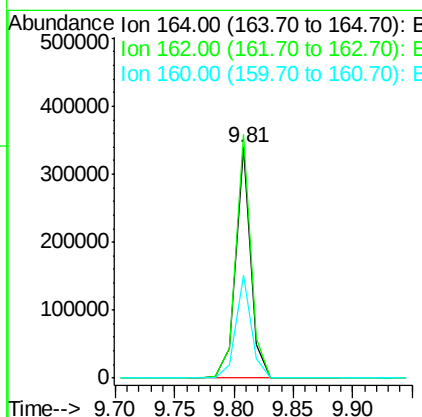
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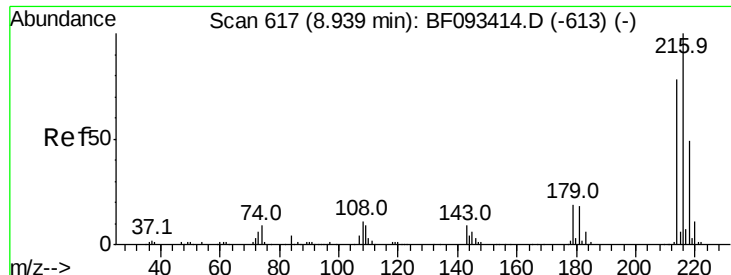
mohammad  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.81 min Scan# 693  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.6 | 80.2  | 120.2 |
| 160     | 44.7  | 36.9  | 55.3  |





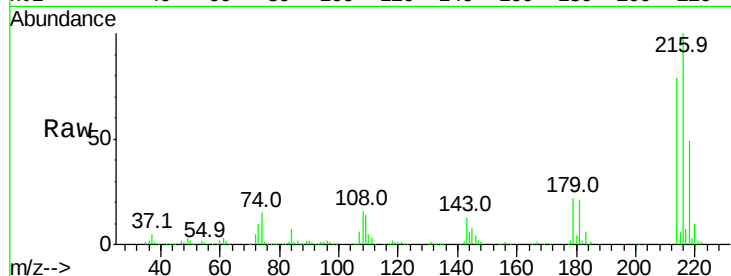
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.39 ng  
 RT: 8.94 min Scan# 617  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

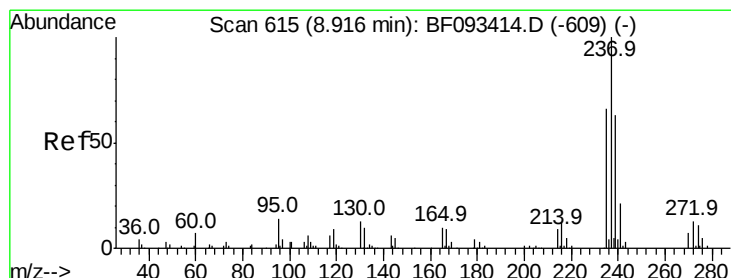
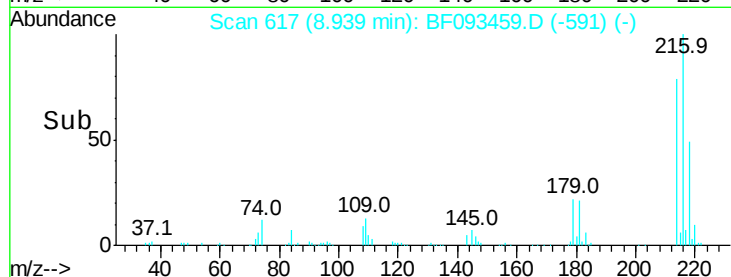
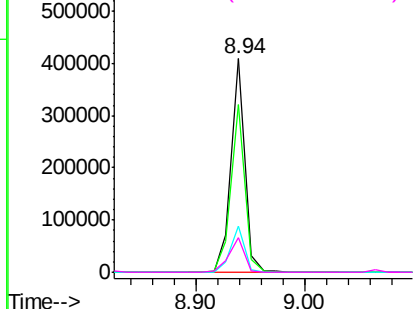
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 354909 |       |       |
| 214     | 79.2  |        | 63.4  | 95.0  |
| 179     | 22.1  |        | 17.4  | 26.2  |
| 108     | 18.2  |        | 15.6  | 23.4  |

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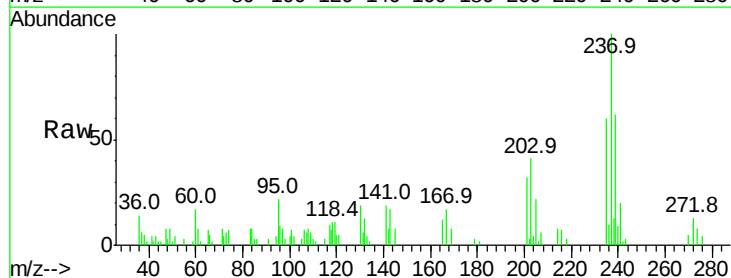


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

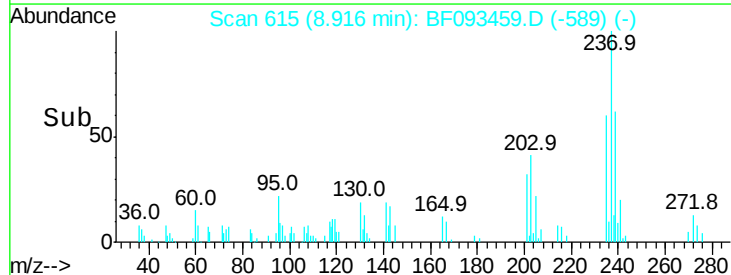
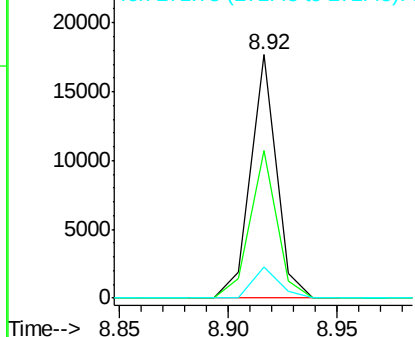


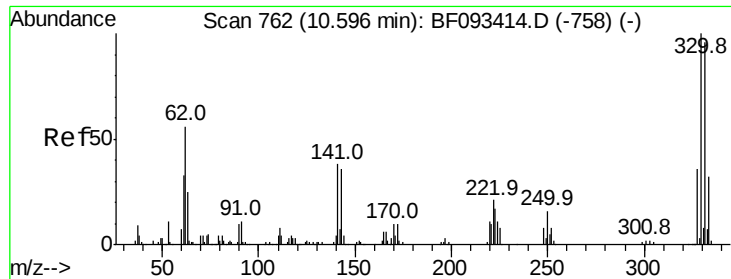
#40  
 Hexachlorocyclopentadiene  
 Concen: 18.12 ng  
 RT: 8.92 min Scan# 615  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 14674 |       |       |
| 235     | 60.5  |       | 41.2  | 81.2  |
| 272     | 12.7  |       | 0.0   | 35.4  |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E





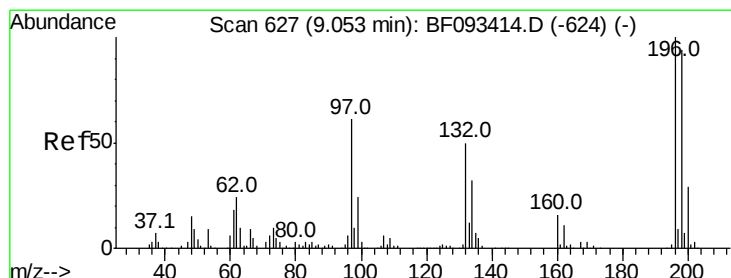
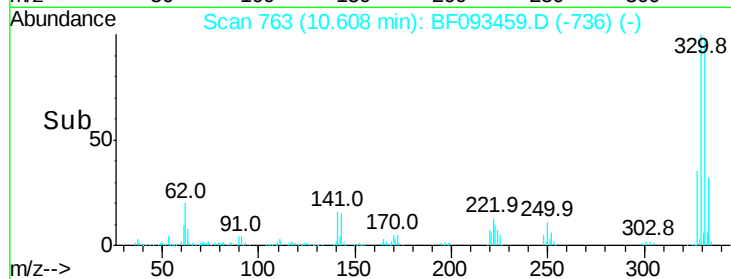
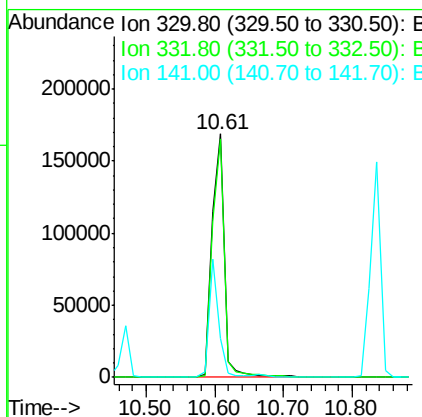
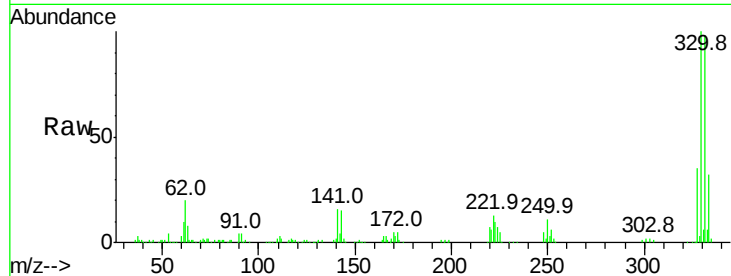
#41  
 2,4,6-Tribromophenol  
 Concen: 110.28 ng  
 RT: 10.61 min Scan# 763  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 215222 |       |       |
| 332     | 95.8  | 77.4   | 116.2 |       |
| 141     | 38.3  | 34.1   | 51.1  |       |

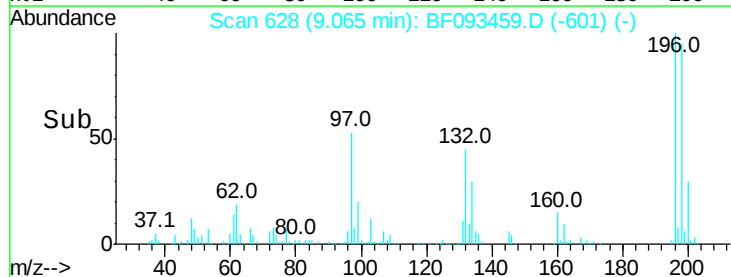
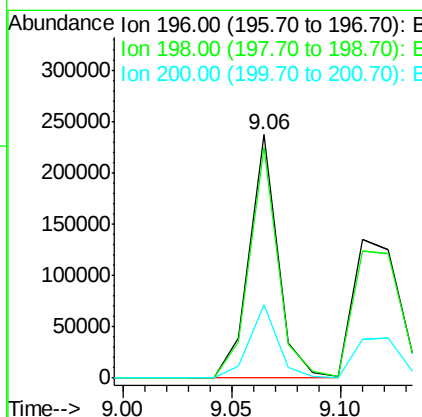
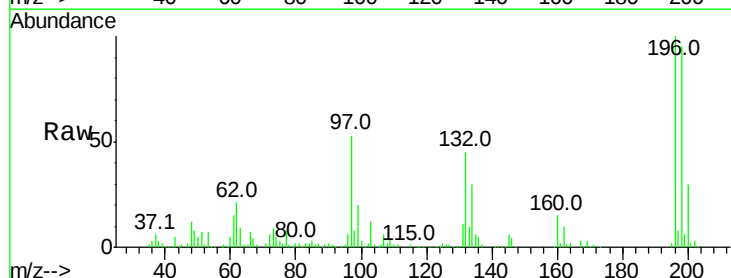
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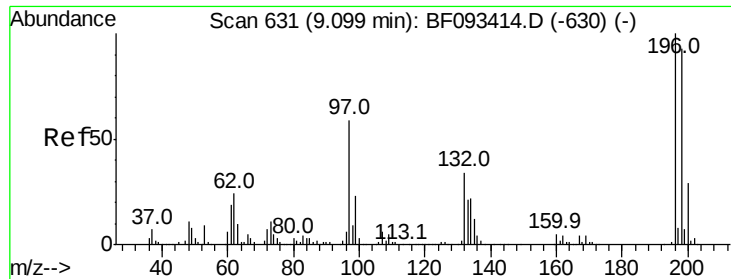
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#42  
 2,4,6-Trichlorophenol  
 Concen: 42.73 ng  
 RT: 9.06 min Scan# 628  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 218386 |       |       |
| 198     | 95.0  | 82.1   | 123.1 |       |
| 200     | 30.3  | 27.0   | 40.4  |       |





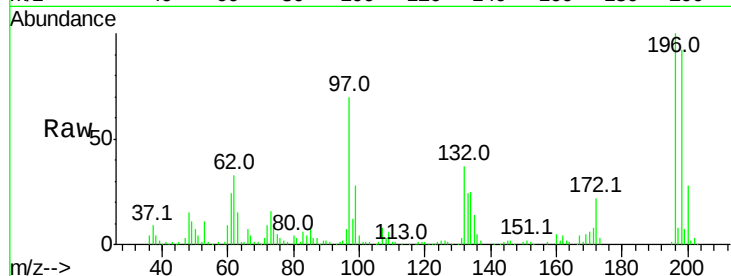
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.53 ng  
 RT: 9.11 min Scan# 632  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

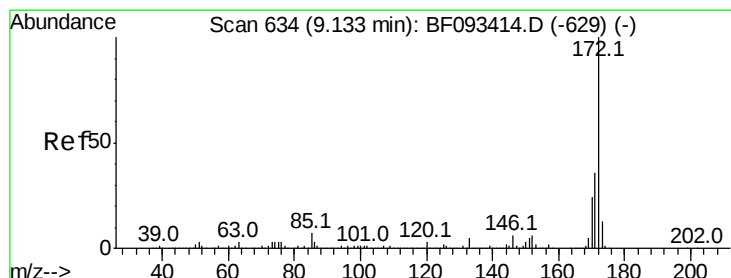
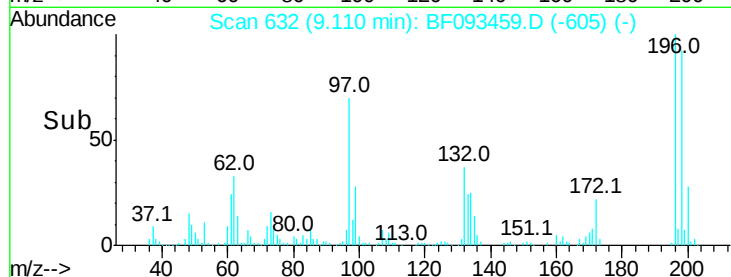
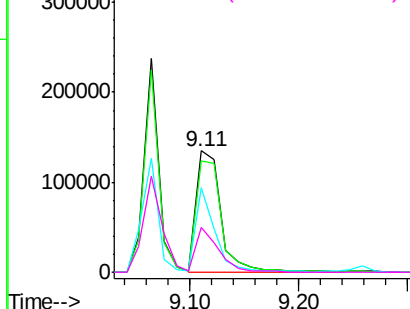
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 211278 |       |       |
| 198     | 92.1  | 79.4   | 119.2 |       |
| 97      | 70.2  | 51.5   | 77.3  |       |
| 132     | 37.3  | 27.4   | 41.2  |       |

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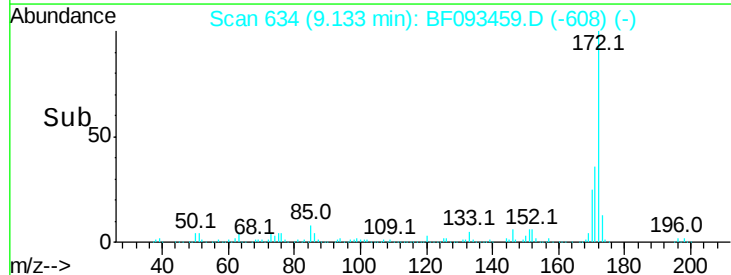
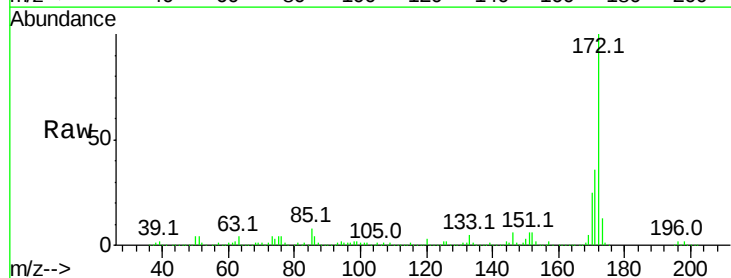
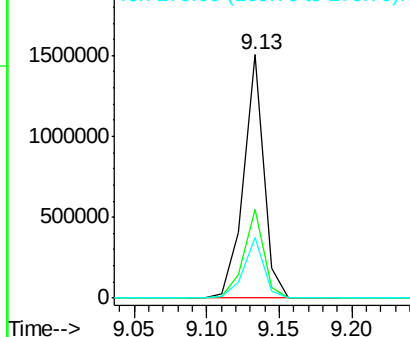
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

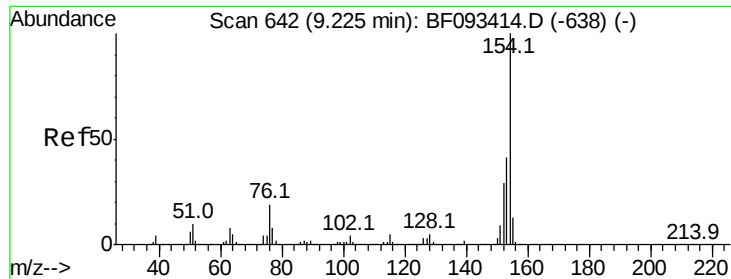


#44  
 2-Fluorobiphenyl  
 Concen: 90.82 ng  
 RT: 9.13 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1462712 |       |       |
| 171     | 36.5  | 29.4    | 44.0  |       |
| 170     | 24.7  | 20.2    | 30.4  |       |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





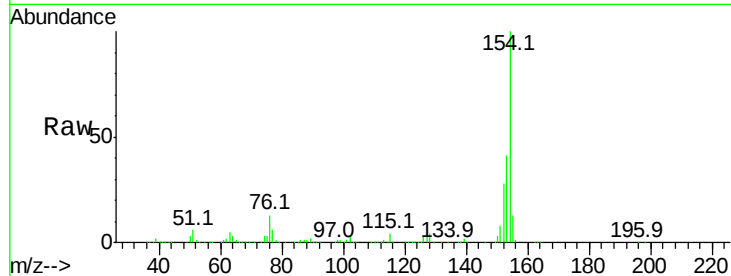
#45  
 1,1'-Biphenyl  
 Concen: 44.84 ng  
 RT: 9.24 min Scan# 643  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

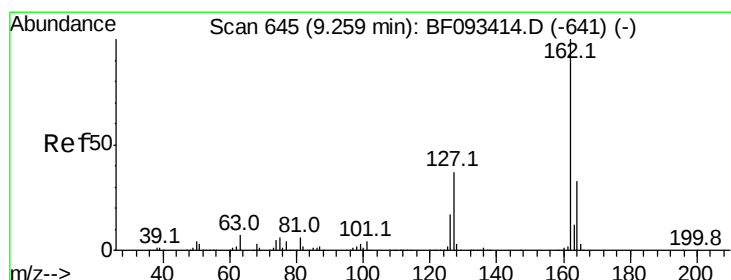
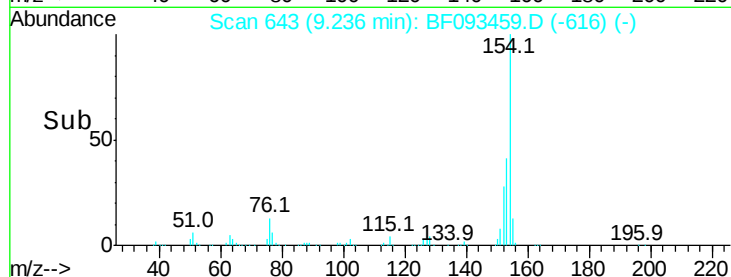
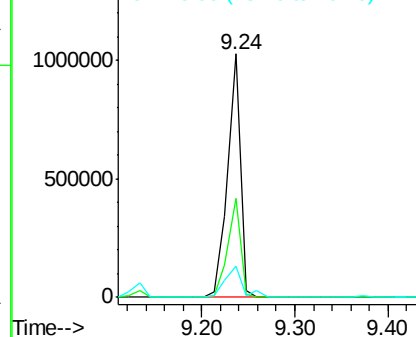
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 40.8  | 20.9 | 60.9  |       |
| 76      | 12.6  | 0.0  | 30.5  |       |

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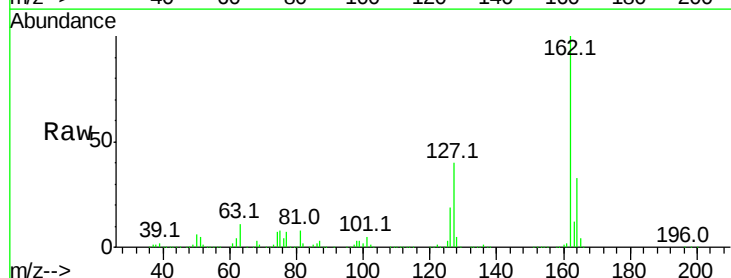


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

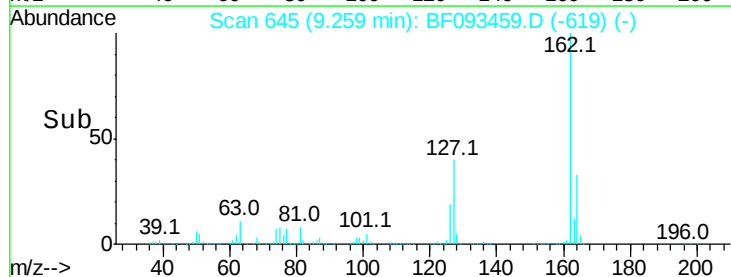
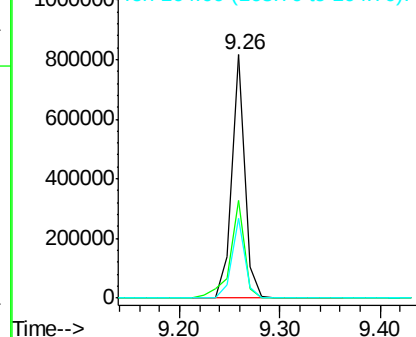


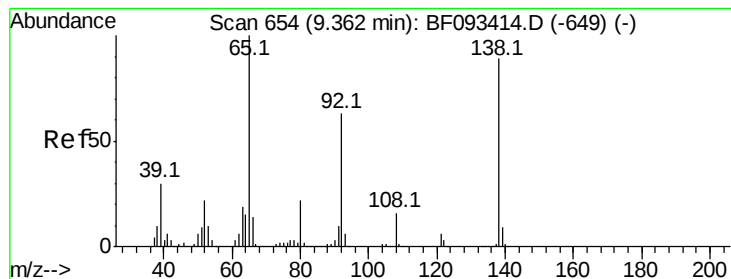
#46  
 2-Chloronaphthalene  
 Concen: 44.03 ng  
 RT: 9.26 min Scan# 645  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 40.3  | 30.7 | 46.1  |       |
| 164     | 32.7  | 27.6 | 41.4  |       |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





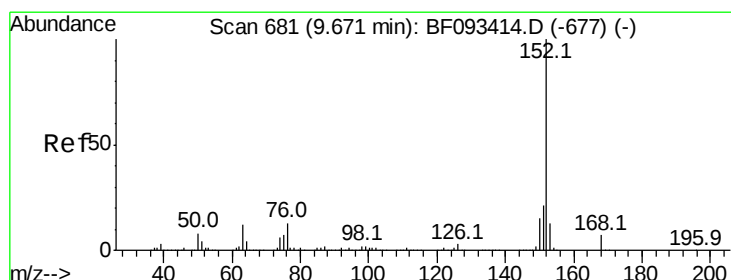
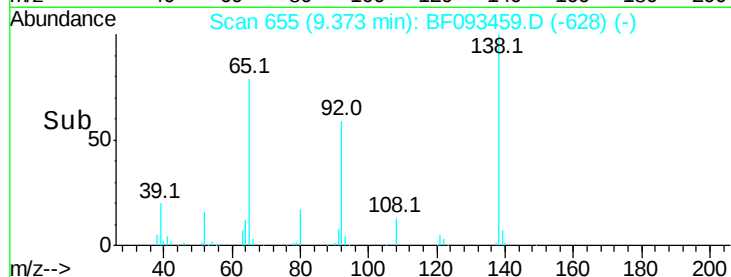
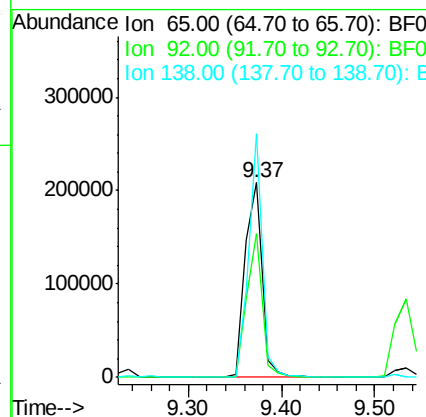
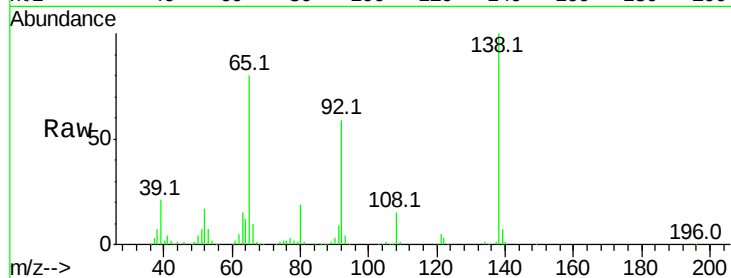
#47  
2-Nitroaniline  
Concen: 45.38 ng  
RT: 9.37 min Scan# 655  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.1  | 53.9  | 80.9  |
| 138     | 125.0 | 76.8  | 115.2 |

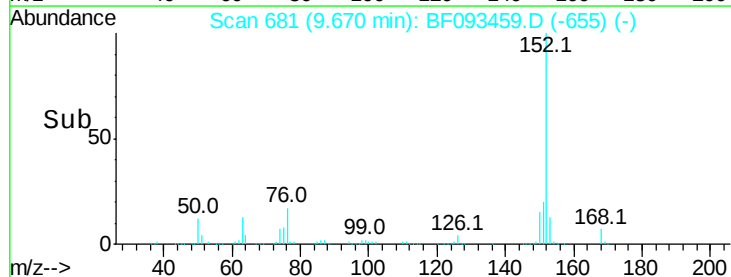
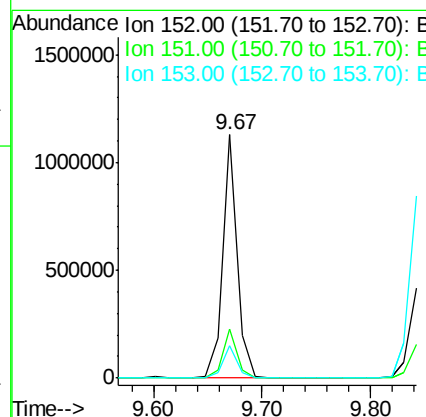
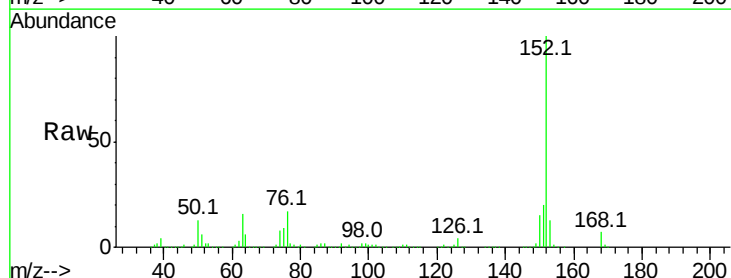
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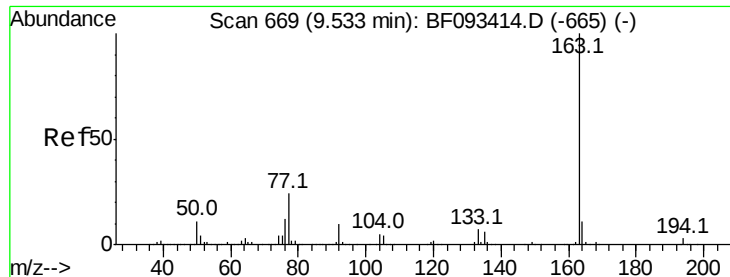
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#48  
Acenaphthylene  
Concen: 38.13 ng  
RT: 9.67 min Scan# 681  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.1  | 16.9  | 25.3  |
| 153     | 13.3  | 11.4  | 17.2  |





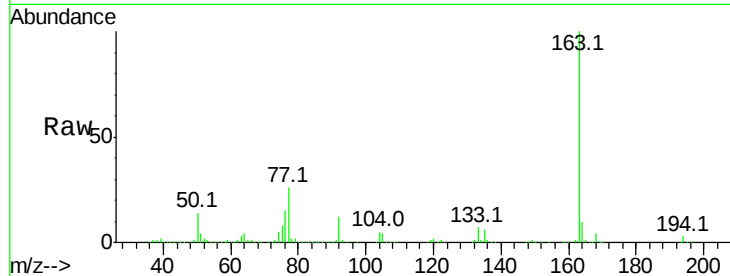
#49  
Dimethylphthalate  
Concen: 43.24 ng  
RT: 9.53 min Scan# 669  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

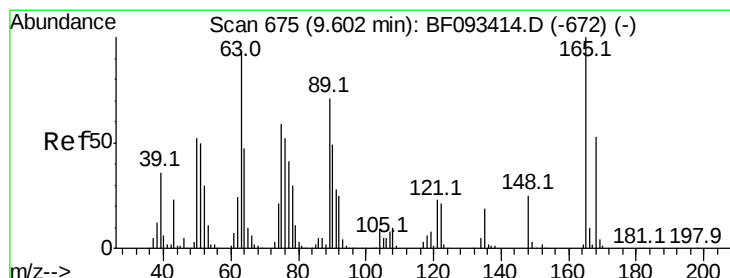
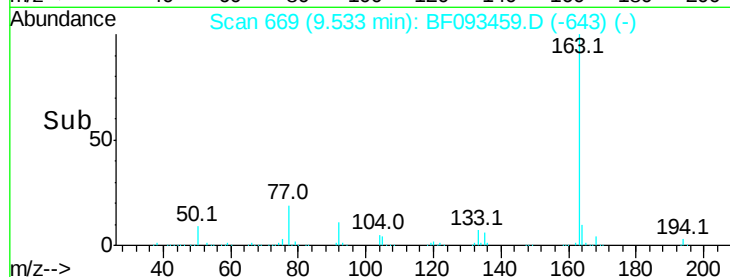
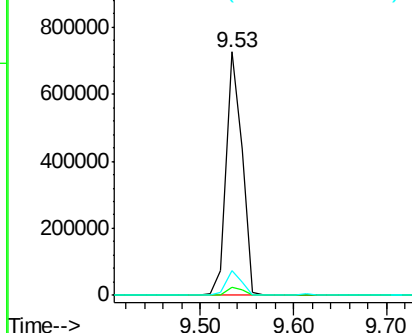
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 858724 |       |       |
| 194     | 3.1   |        | 3.0   | 4.4   |
| 164     | 10.3  |        | 8.0   | 12.0  |

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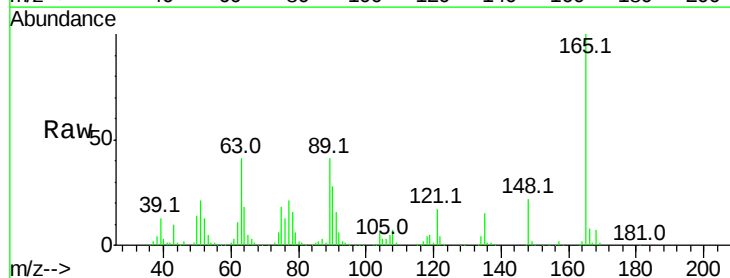


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

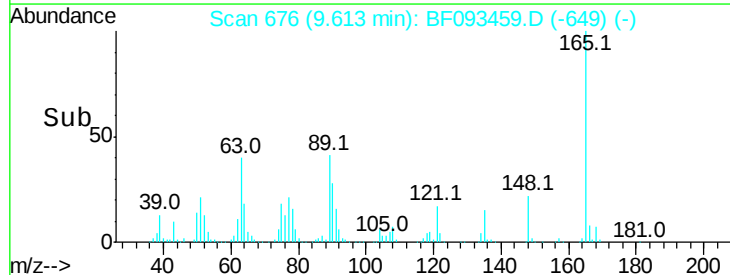
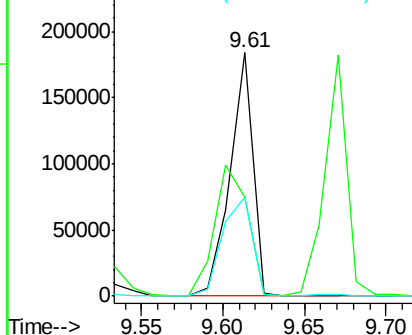


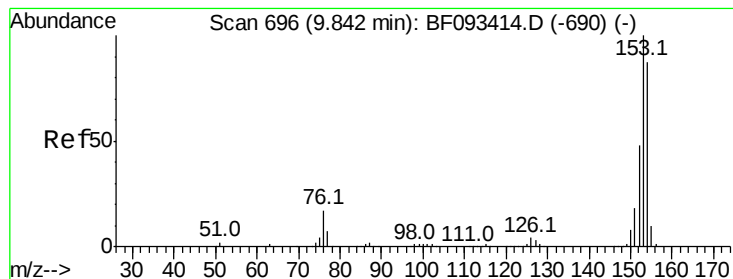
#50  
2,6-Dinitrotoluene  
Concen: 40.74 ng  
RT: 9.61 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 177553 |       |       |
| 63      | 40.5  |        | 36.2  | 54.4  |
| 89      | 40.9  |        | 40.2  | 60.4  |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 39.87 ng

RT: 9.84 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

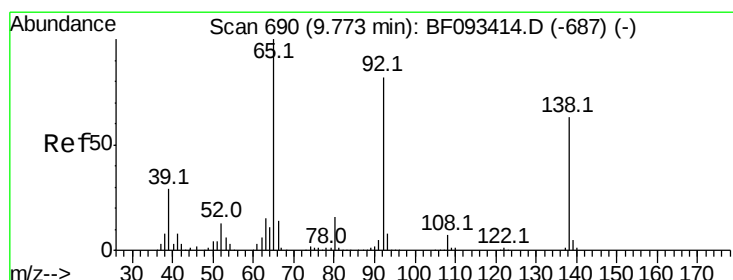
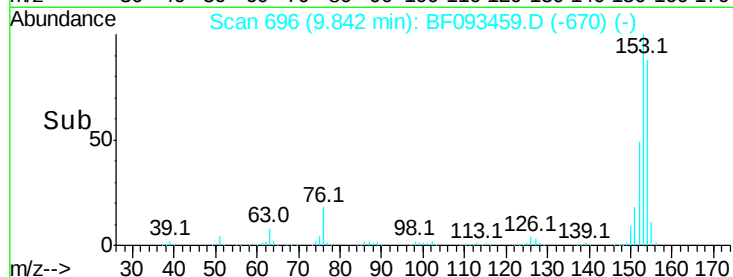
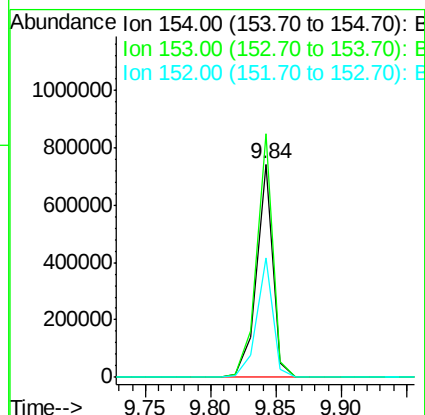
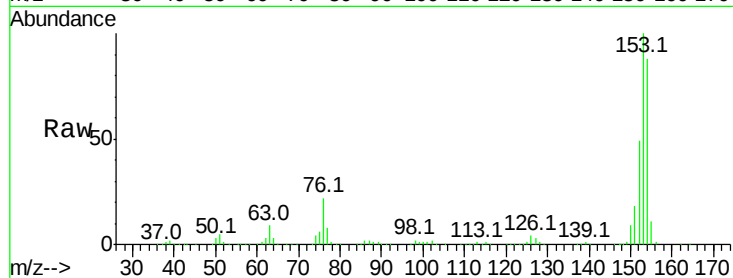
ClientSampleId :

WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.1 | 88.6  | 133.0 |
| 152     | 56.2  | 41.6  | 62.4  |

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#52

3-Nitroaniline

Concen: 23.38 ng

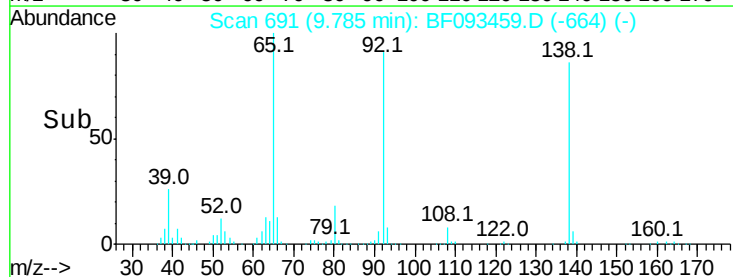
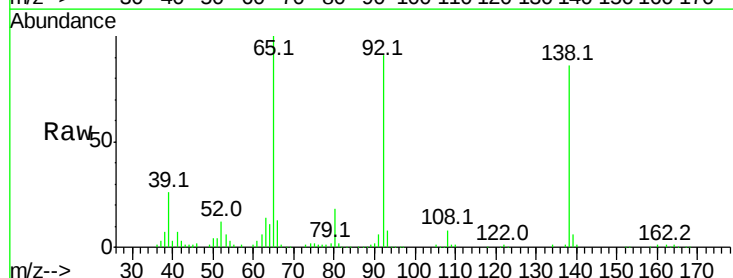
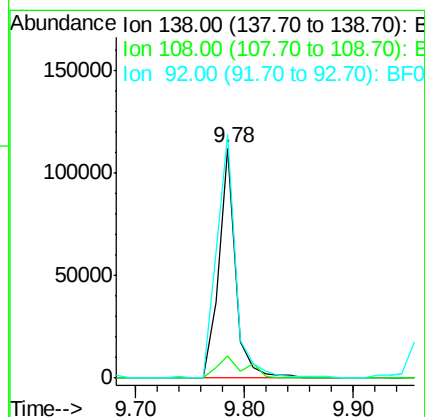
RT: 9.78 min Scan# 691

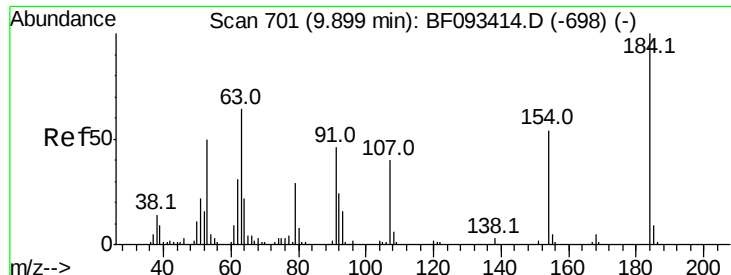
Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.6   | 8.5   | 12.7  |
| 92      | 106.0 | 97.8  | 146.8 |





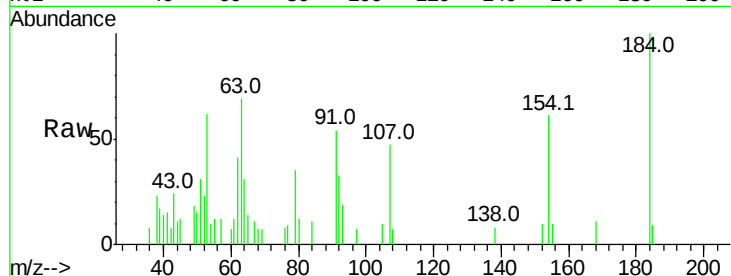
#53  
2,4-Dinitrophenol  
Concen: 5.54 ng  
RT: 9.92 min Scan# 703  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

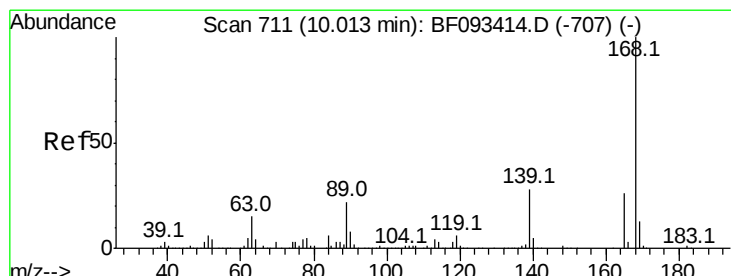
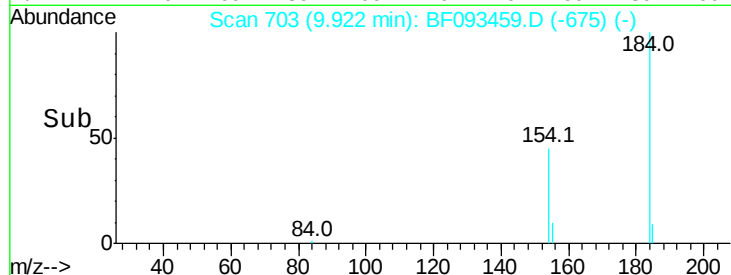
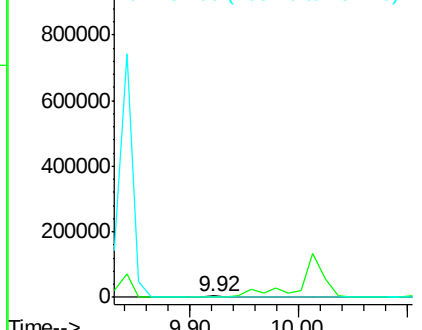
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 69.3  | 28.4 | 42.6  |       |
| 154     | 61.2  | 44.3 | 66.5  |       |

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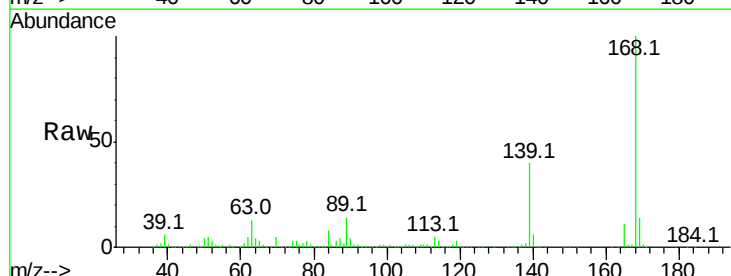


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

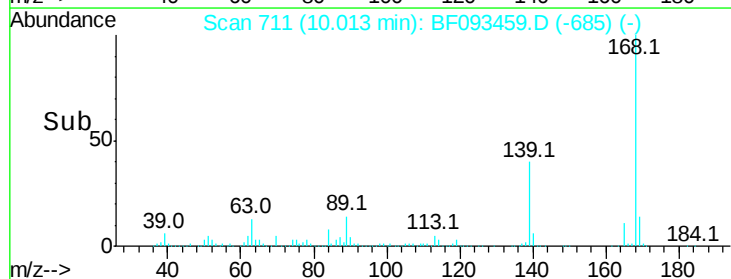
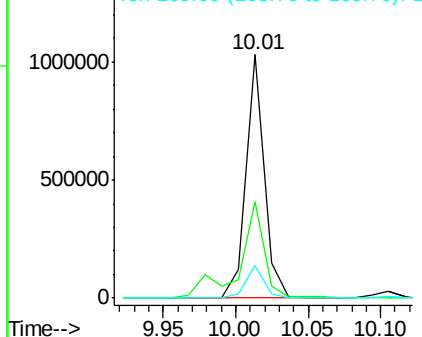


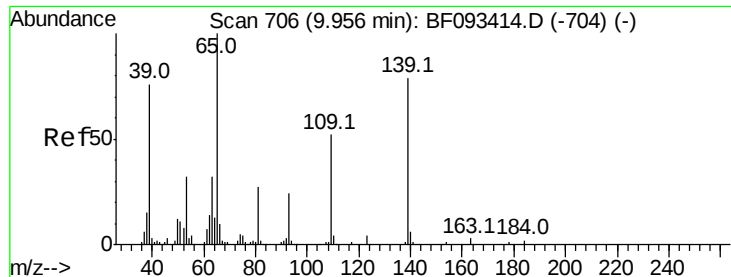
#54  
Dibenzofuran  
Concen: 44.10 ng  
RT: 10.01 min Scan# 711  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 39.6  | 32.6 | 49.0  |       |
| 169     | 13.6  | 11.3 | 16.9  |       |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





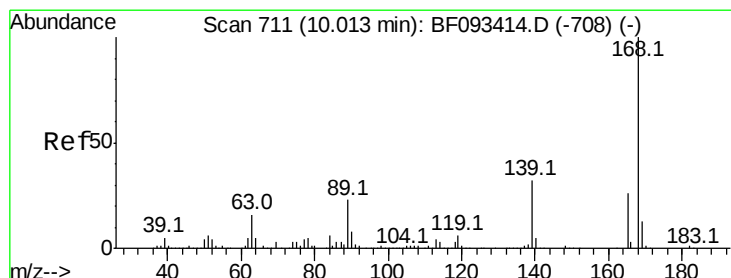
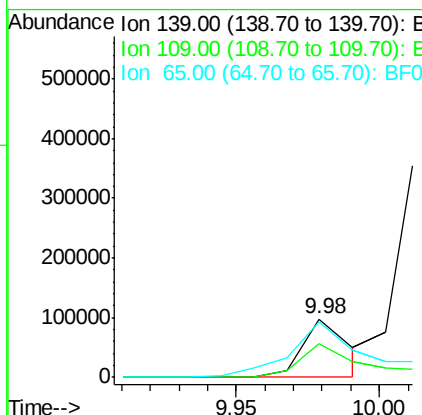
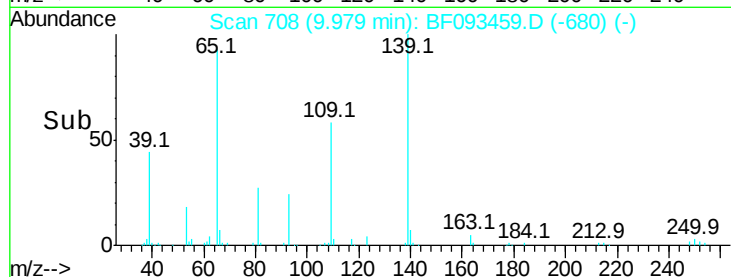
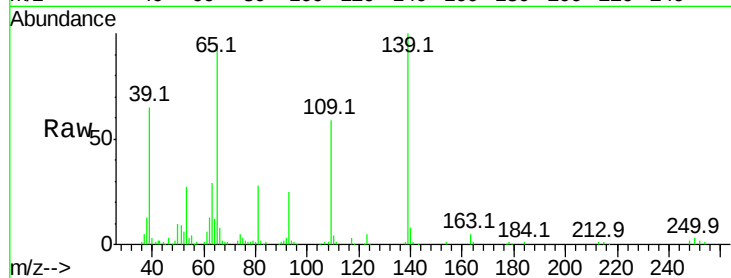
#55  
4-Nitrophenol  
Concen: 42.96 ng/ml  
RT: 9.98 min Scan# 708  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleID :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 58.5  | 52.2 | 92.2  |       |
| 65      | 95.1  | 85.8 | 125.8 |       |

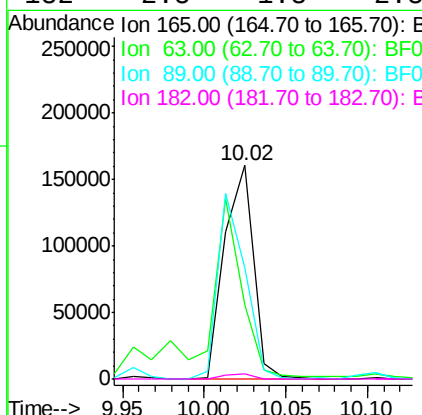
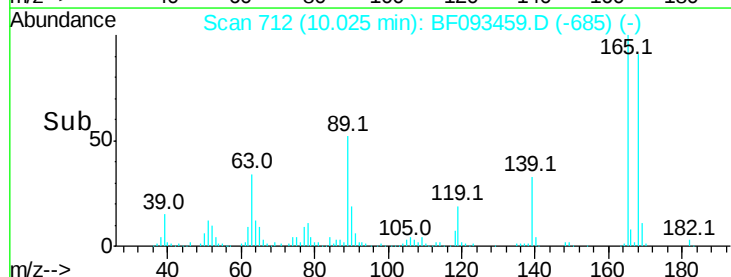
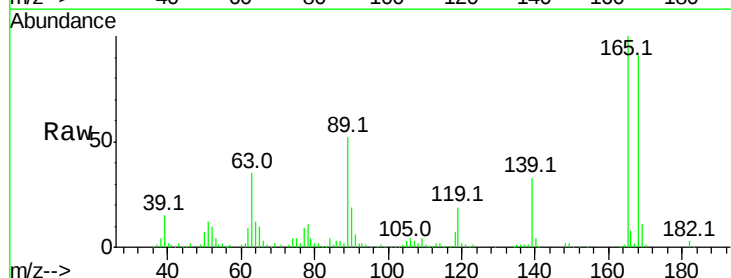
Manual Integrations  
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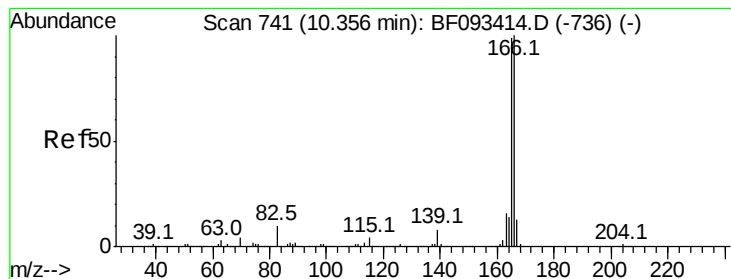
mohammad  
3/10/2017 8:12:47 AM



#56  
2,4-Dinitrotoluene  
Concen: 36.64 ng  
RT: 10.02 min Scan# 712  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 34.6  | 40.2 | 60.4# |       |
| 89      | 52.3  | 62.5 | 93.7# |       |
| 182     | 2.5   | 1.8  | 2.8   |       |





#57

Fluorene

Concen: 40.39 ng

RT: 10.36 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:166 Resp: 697806

Ion Ratio Lower Upper

166 100

165 100.1 77.8 116.8

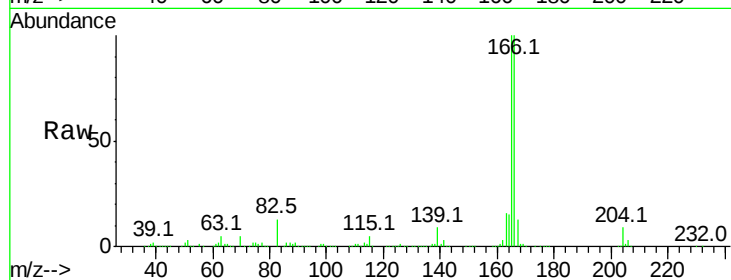
167 13.1 10.8 16.2

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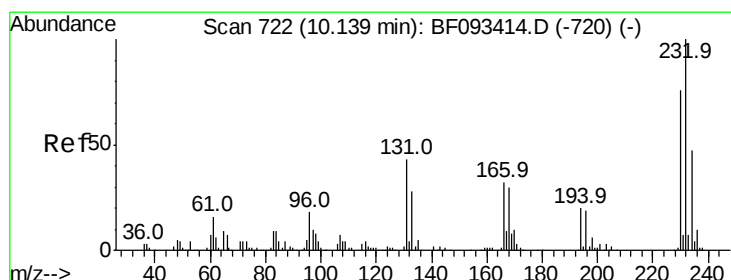
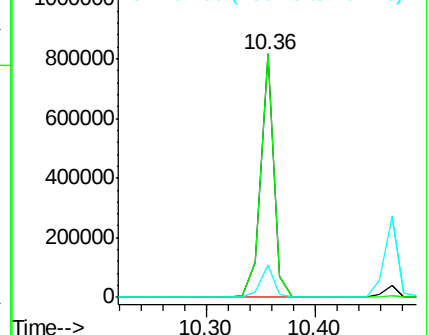
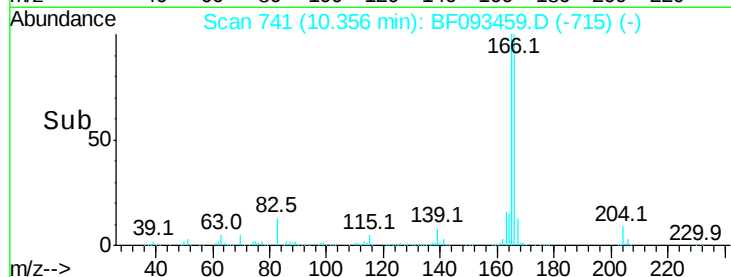
3/10/2017 8:12:47 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 36.39 ng

RT: 10.15 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Tgt Ion:232 Resp: 140828

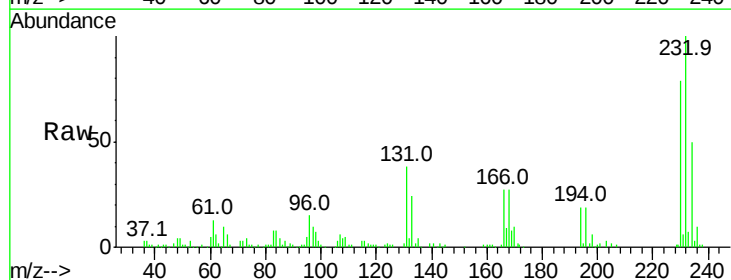
Ion Ratio Lower Upper

232 100

131 50.3 40.1 60.1

130 2.4 1.8 2.8

166 31.4 26.6 39.8

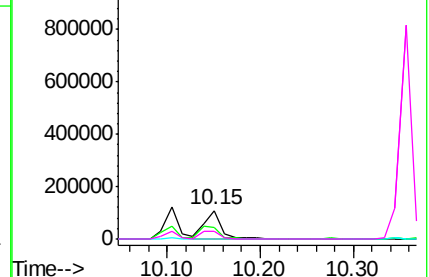
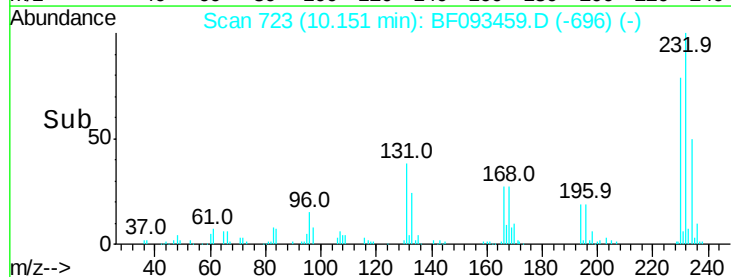


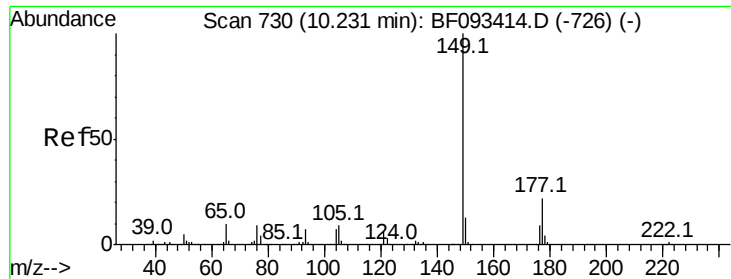
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





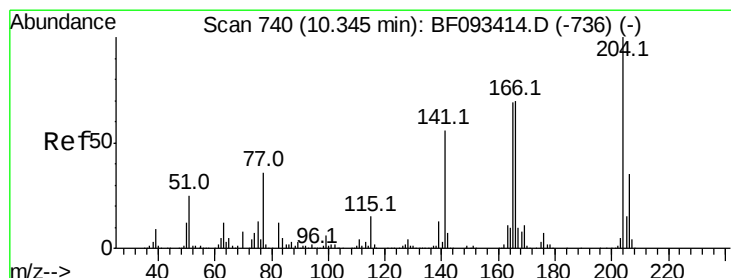
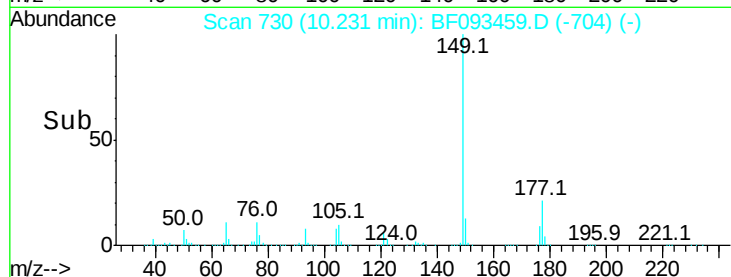
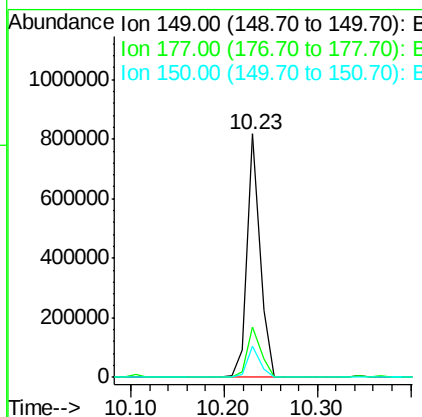
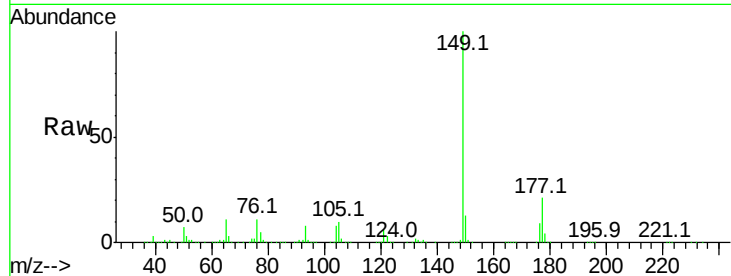
#59  
Diethylphthalate  
Concen: 41.35 ng  
RT: 10.23 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 784880 |       |       |
| 177     | 20.8  | 16.6   | 25.0  |       |
| 150     | 12.8  | 10.4   | 15.6  |       |

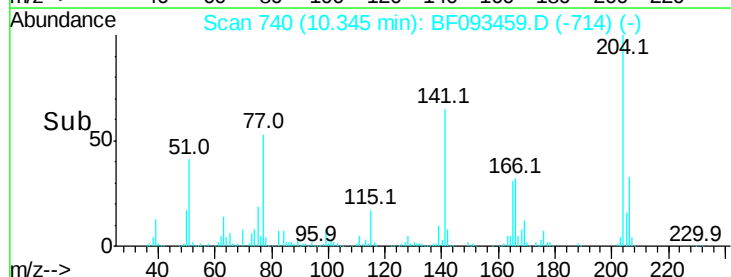
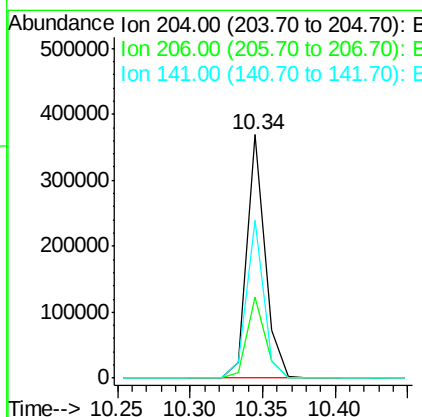
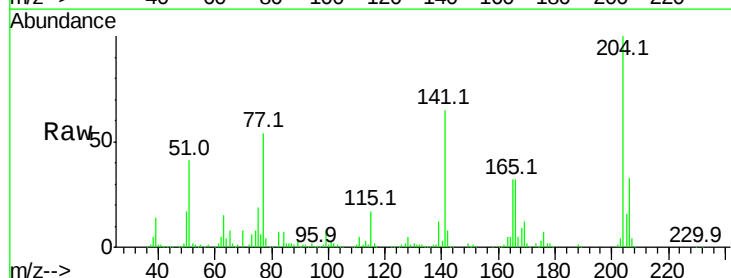
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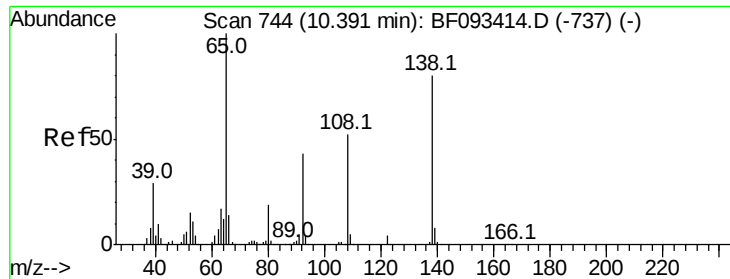
mohammad  
3/10/2017 8:12:47 AM



#60  
4-Chlorophenyl-phenylether  
Concen: 41.56 ng  
RT: 10.34 min Scan# 740  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 321857 |       |       |
| 206     | 33.3  | 25.8   | 38.6  |       |
| 141     | 65.1  | 59.4   | 89.0  |       |





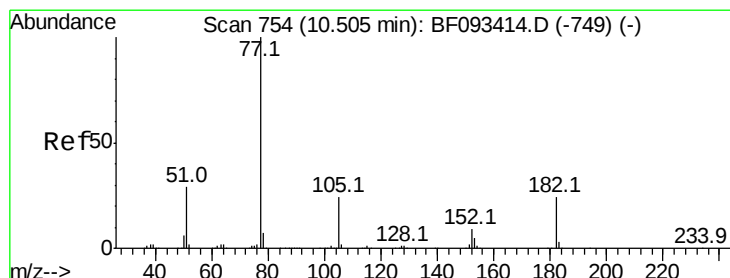
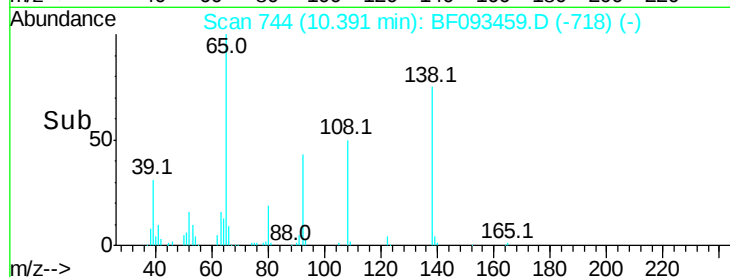
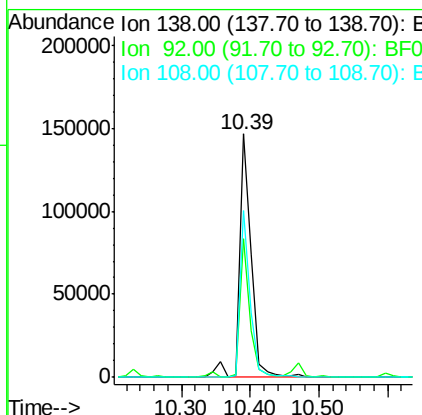
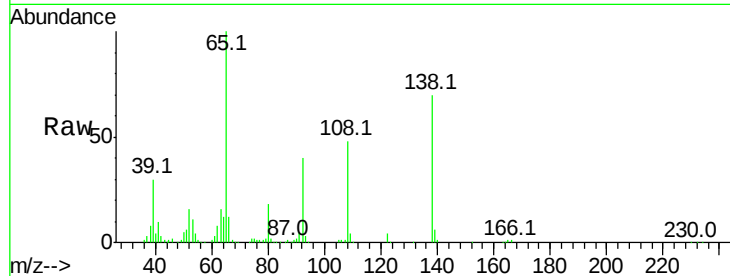
#61  
4-Nitroaniline  
Concen: 32.73 ng  
RT: 10.39 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.1  | 31.7  | 71.7  |
| 108     | 68.5  | 52.6  | 92.6  |

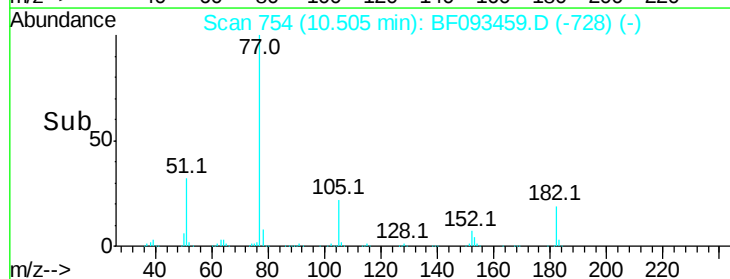
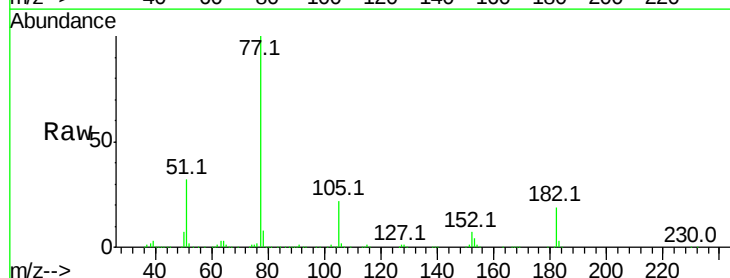
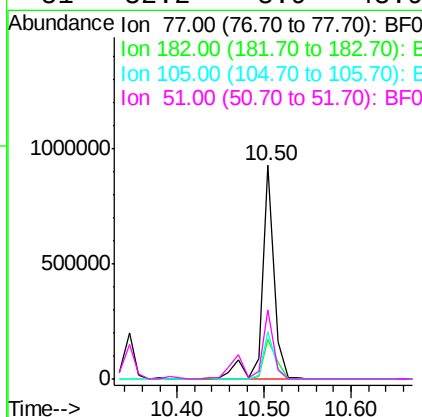
Manual Integrations  
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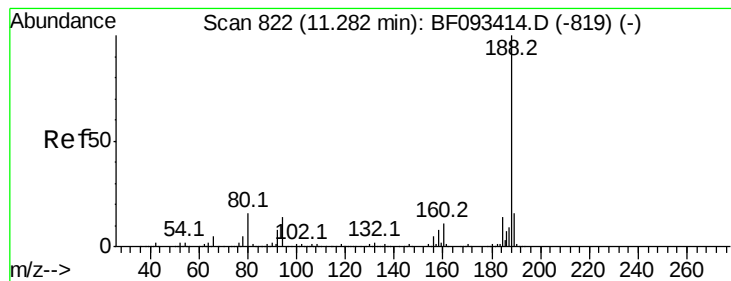
mohammad  
3/10/2017 8:12:47 AM



#62  
Azobenzene  
Concen: 41.61 ng  
RT: 10.50 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 18.5  | 0.0   | 39.3  |
| 105     | 22.4  | 2.3   | 42.3  |
| 51      | 32.2  | 8.9   | 48.9  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:188 Resp: 427925

Ion Ratio Lower Upper

188 100

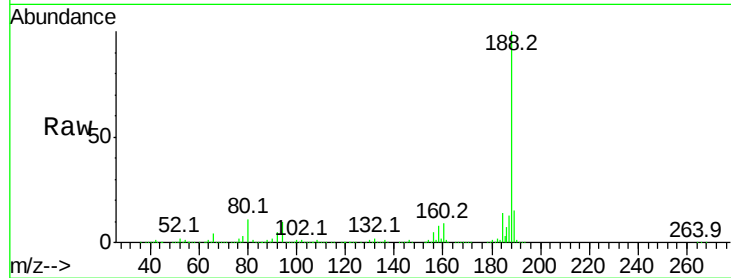
94 10.5 10.0 15.0

80 10.7 11.2 16.8#

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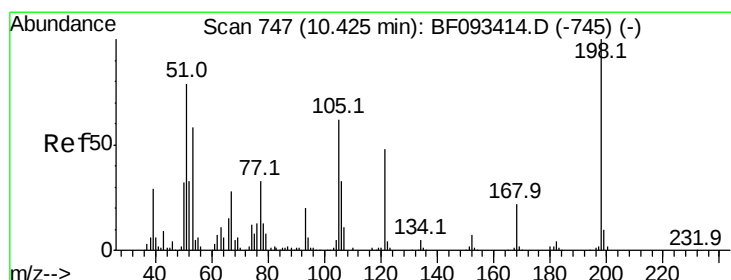
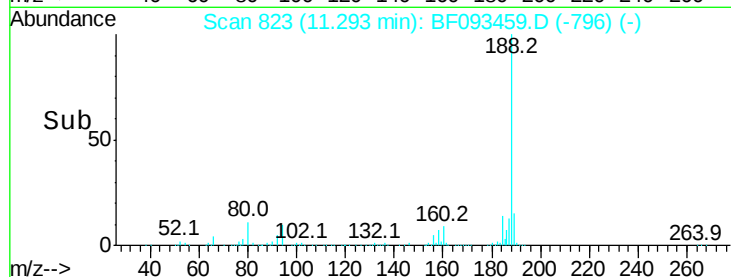
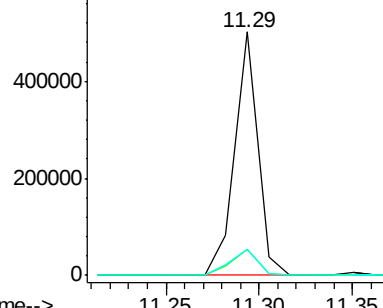
3/10/2017 8:12:47 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 3.90 ng

RT: 10.44 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

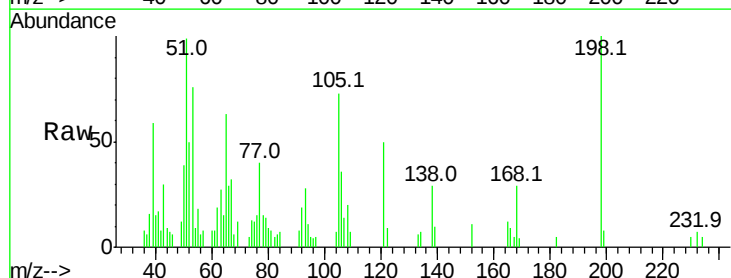
Tgt Ion:198 Resp: 10824

Ion Ratio Lower Upper

198 100

51 99.1 6.7 46.7#

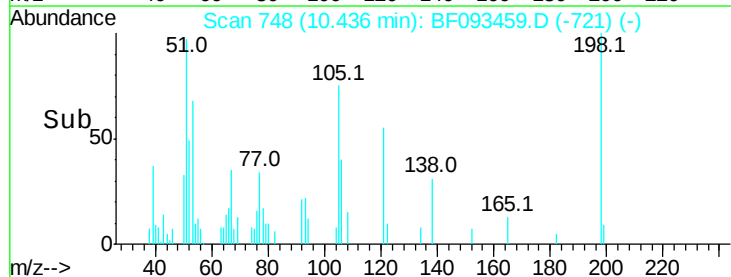
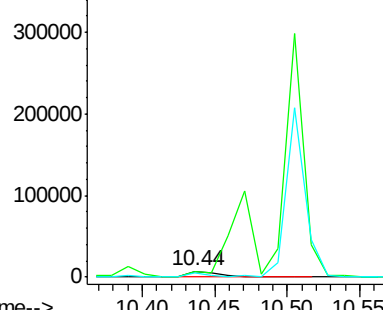
105 73.4 16.6 56.6#

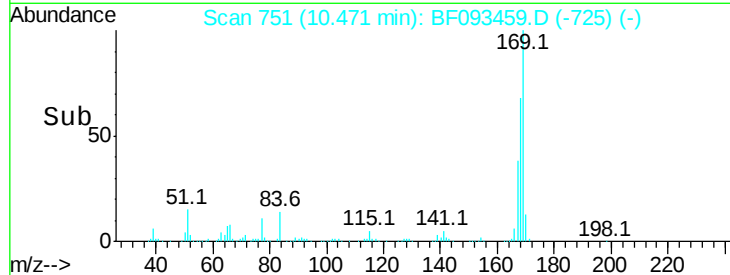
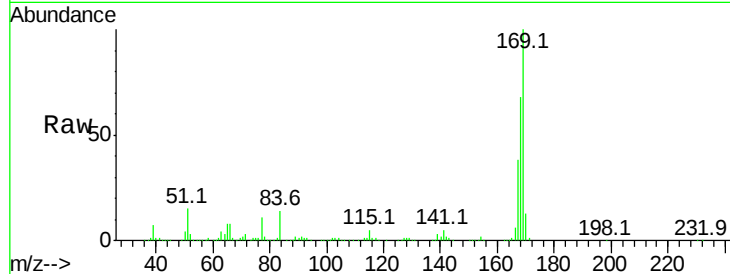
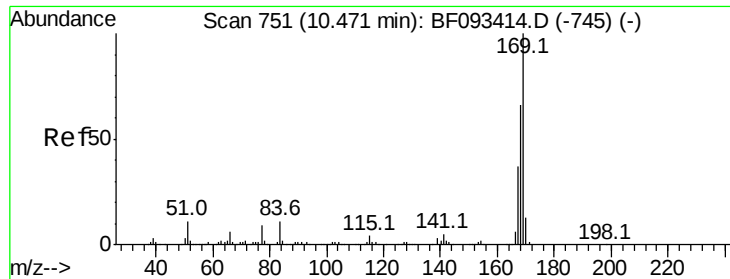


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 43.91 ng

RT: 10.47 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 627429 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.0  | 54.2  | 81.2   |
| 167       | 37.9  | 30.2  | 45.4   |

Instrument :

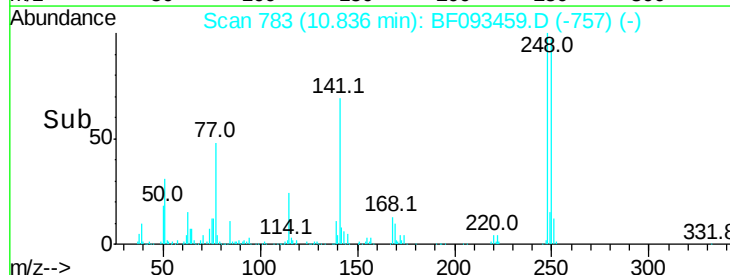
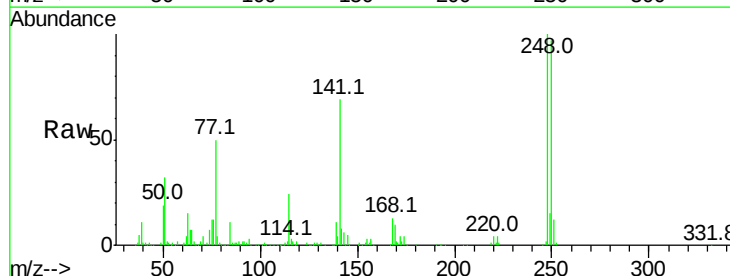
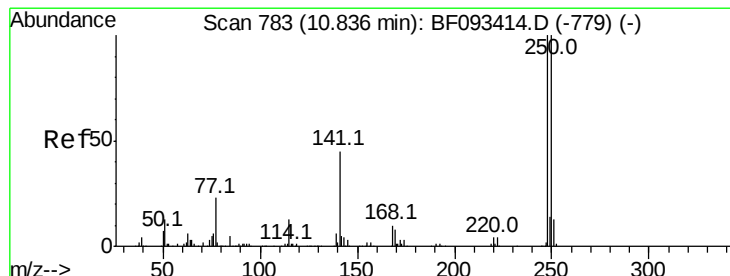
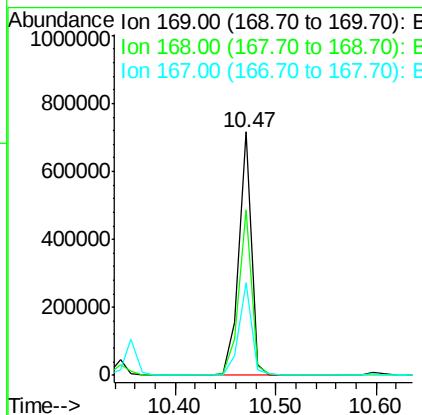
BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Manual Integrations  
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3/10/2017 8:12:47 AM



#66

4-Bromophenyl-phenylether

Concen: 41.02 ng

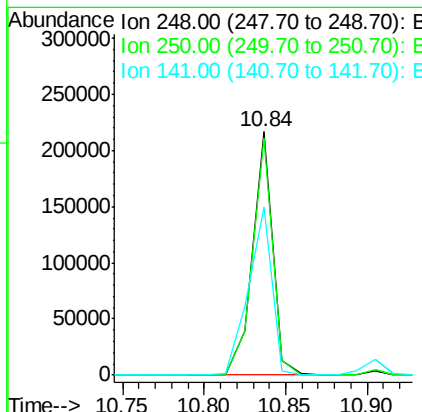
RT: 10.84 min Scan# 783

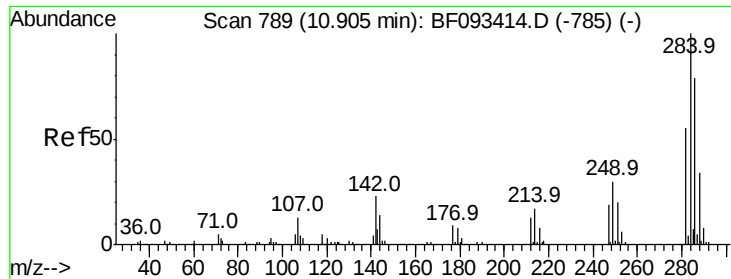
Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 185636 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.2  | 76.9  | 115.3  |
| 141       | 68.9  | 68.2  | 102.4  |





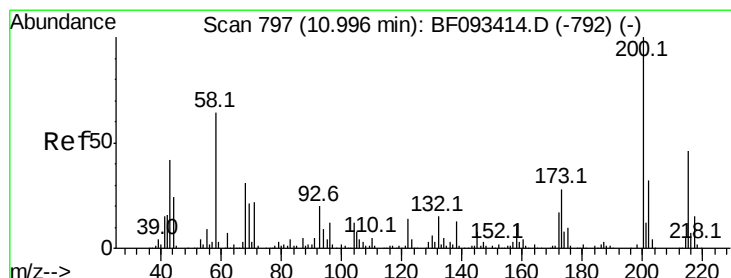
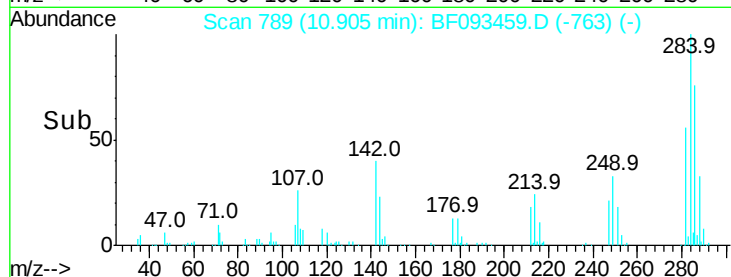
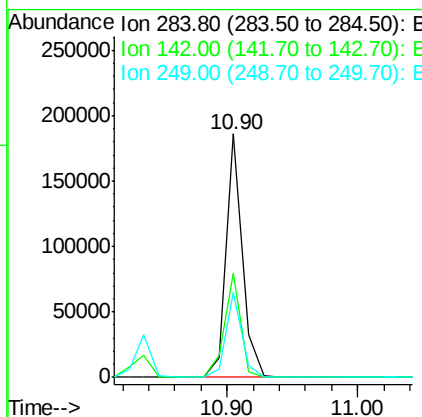
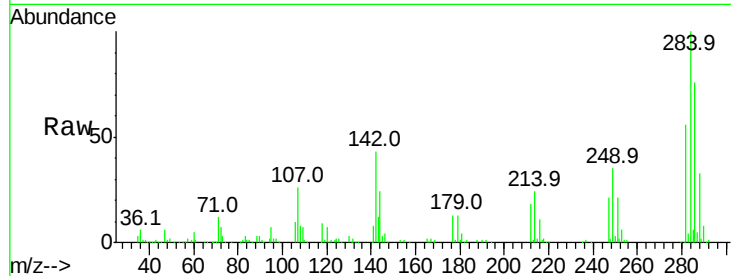
#67  
Hexachlorobenzene  
Concen: 37.32 ng  
RT: 10.90 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 161246 |       |       |
| 142     | 42.8  | 22.6   | 33.8# |       |
| 249     | 34.8  | 25.4   | 38.0  |       |

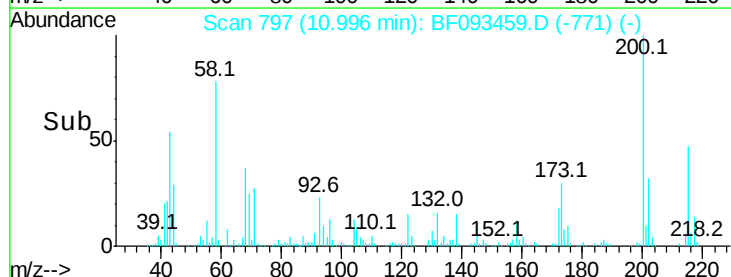
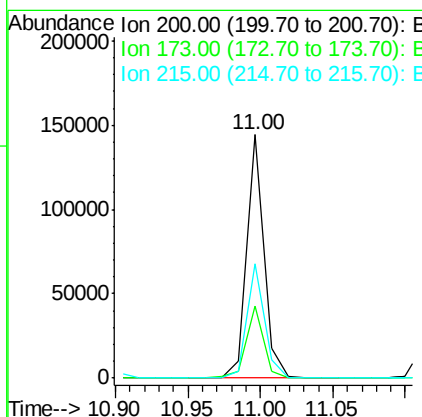
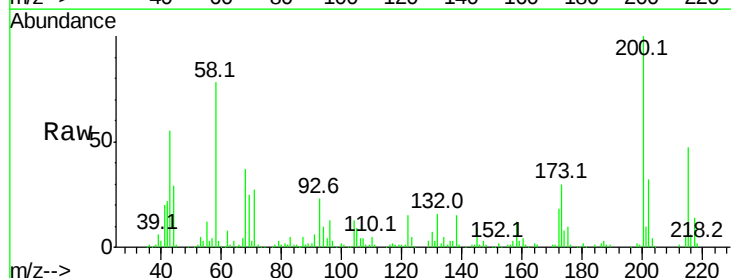
Manual Integrations  
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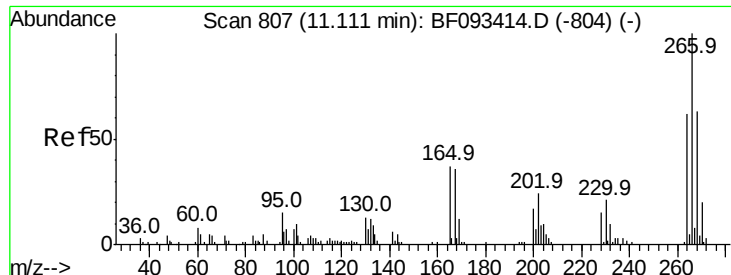
mohammad  
3/10/2017 8:12:47 AM



#68  
Atrazine  
Concen: 28.55 ng  
RT: 11.00 min Scan# 797  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 119398 |       |       |
| 173     | 29.7  | 9.6    | 49.6  |       |
| 215     | 46.9  | 25.7   | 65.7  |       |





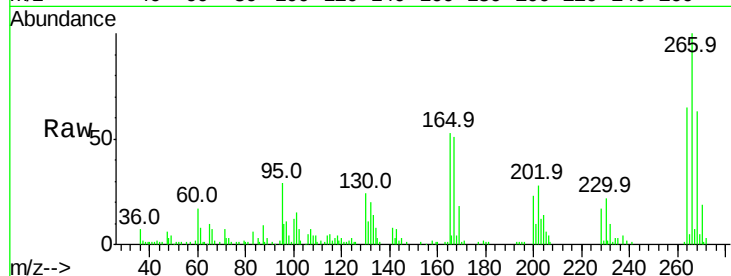
#69  
 Pentachlorophenol  
 Concen: 75.54 ng  
 RT: 11.11 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

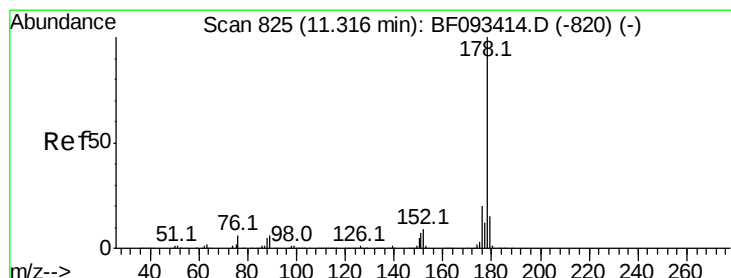
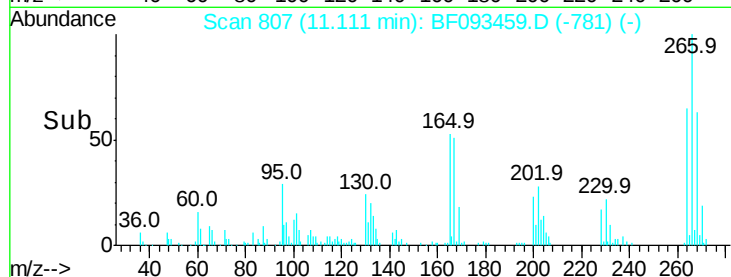
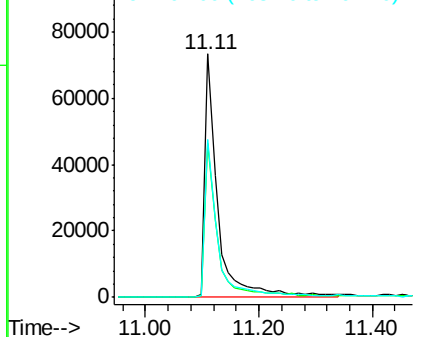
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 112702 |       |       |
| 268     | 63.2  | 53.3   | 79.9  |       |
| 264     | 64.9  | 50.3   | 75.5  |       |

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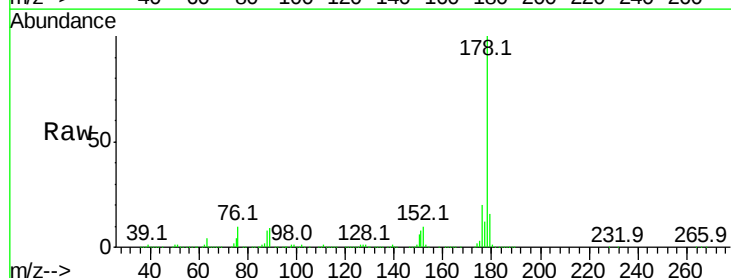


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

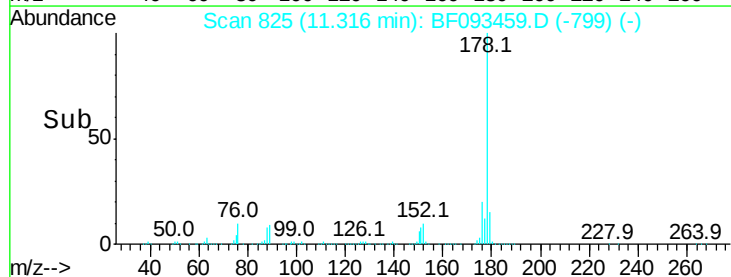
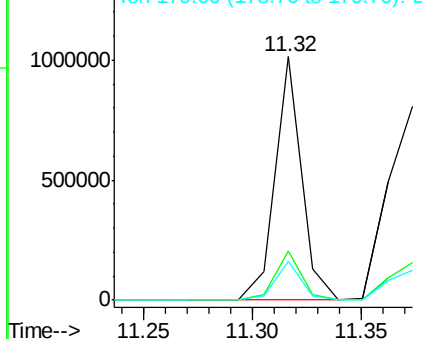


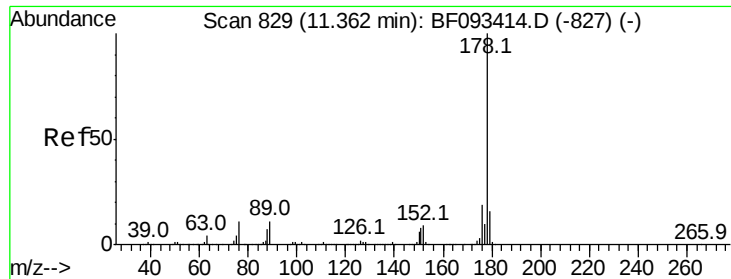
#70  
 Phenanthrene  
 Concen: 35.69 ng  
 RT: 11.32 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 871834 |       |       |
| 176     | 20.2  | 16.6   | 25.0  |       |
| 179     | 15.7  | 12.8   | 19.2  |       |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





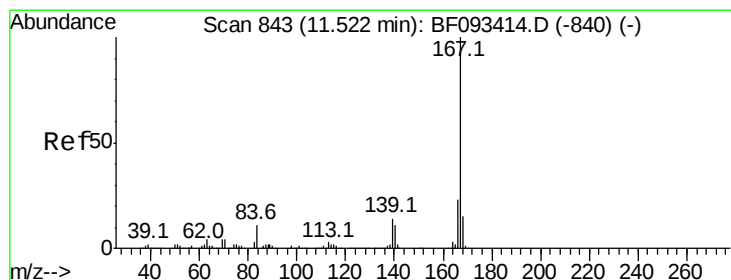
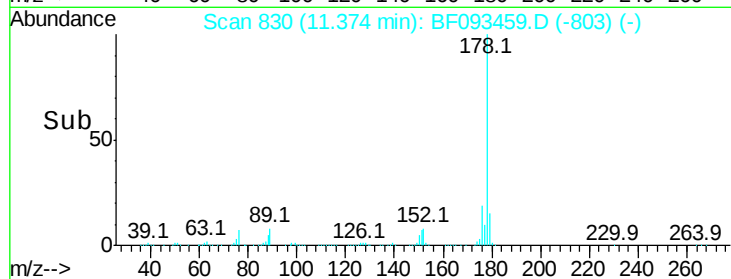
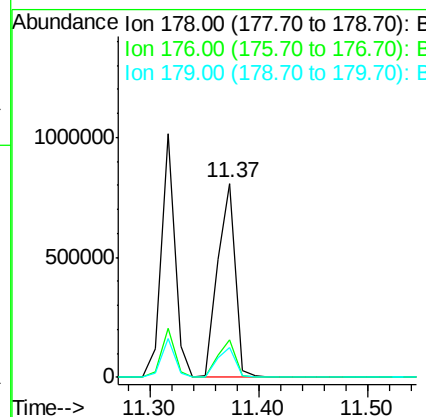
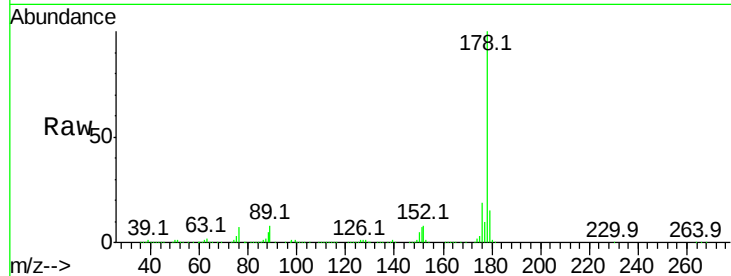
#71  
 Anthracene  
 Concen: 37.51 ng  
 RT: 11.37 min Scan# 830  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.9  | 23.9  |
| 179     | 15.5  | 13.2  | 19.8  |

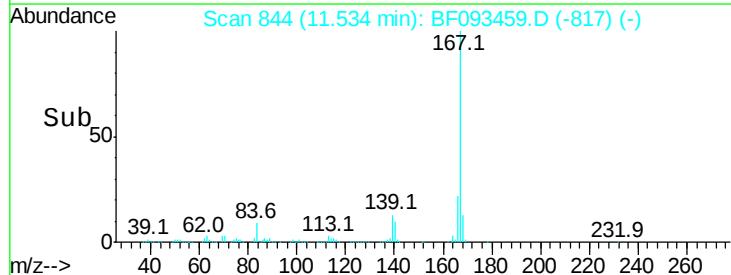
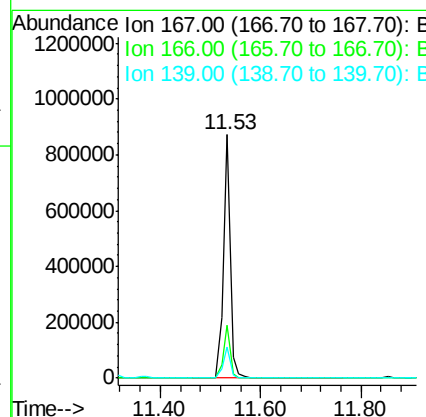
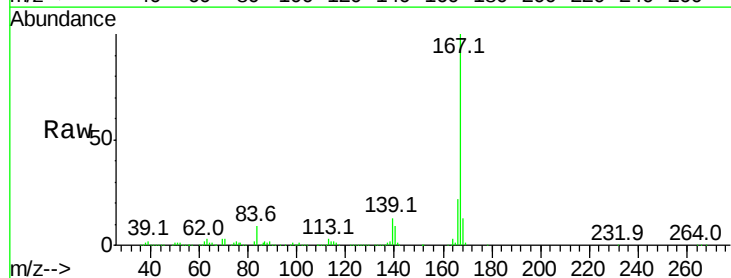
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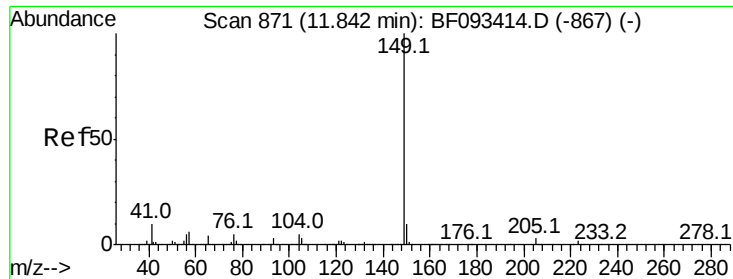
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#72  
 Carbazole  
 Concen: 35.39 ng  
 RT: 11.53 min Scan# 844  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 18.2  | 27.2  |
| 139     | 12.7  | 11.4  | 17.2  |





#73

Di-n-butylphthalate

Concen: 41.72 ng

RT: 11.85 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

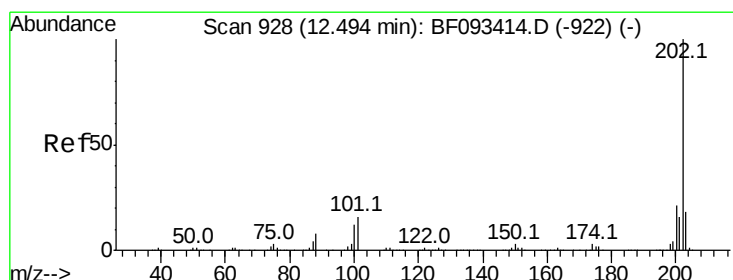
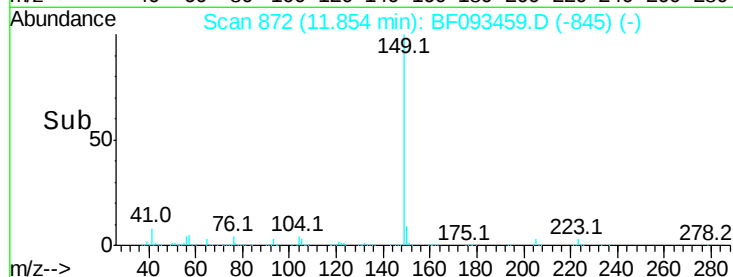
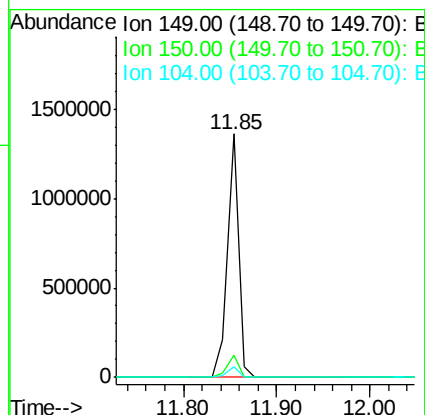
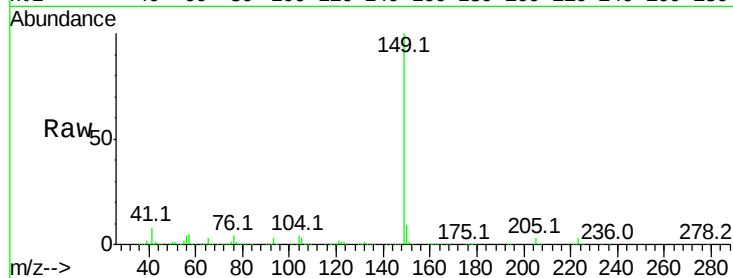
ClientSampleId :

WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 8.1   | 12.1  |
| 104     | 4.5   | 4.6   | 7.0   |

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#74

Fluoranthene

Concen: 35.02 ng

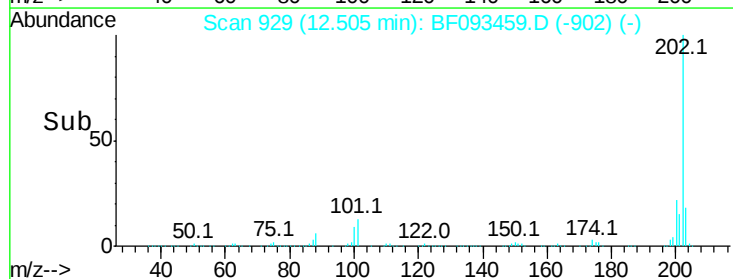
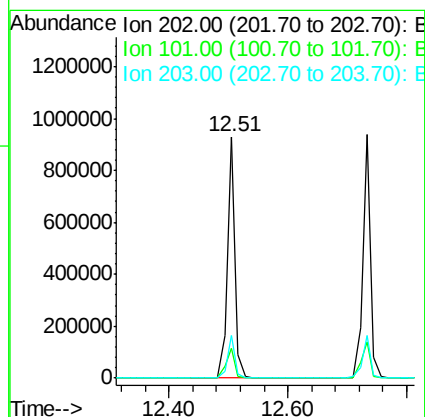
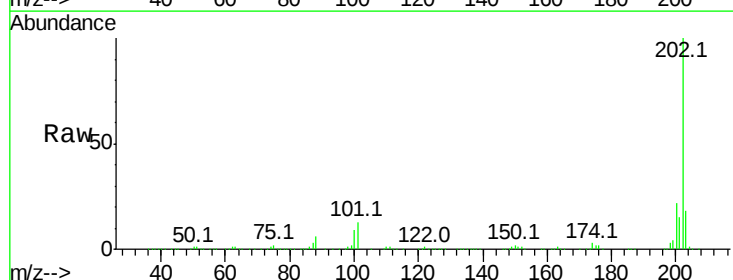
RT: 12.51 min Scan# 929

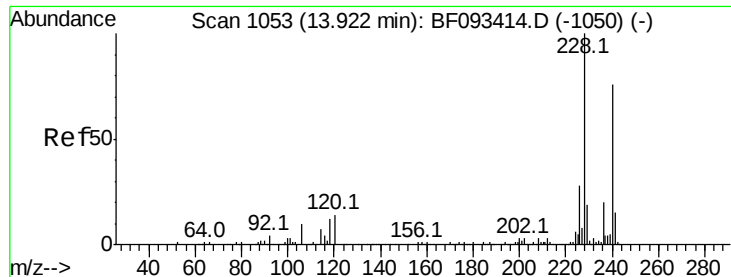
Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 34.6  |
| 203     | 17.5  | 0.0   | 38.7  |





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

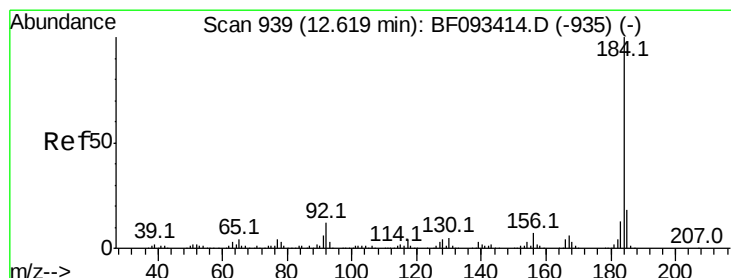
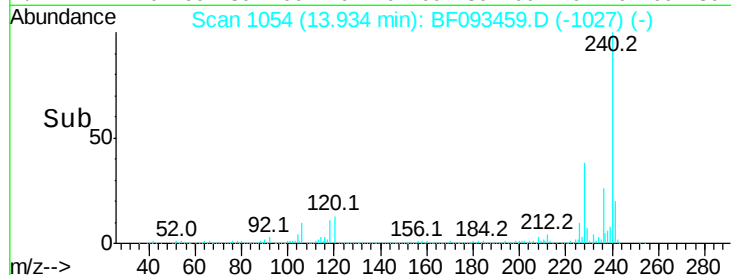
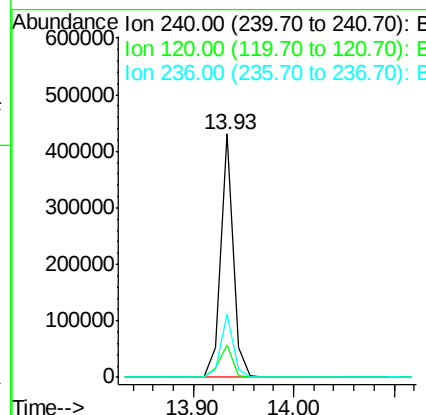
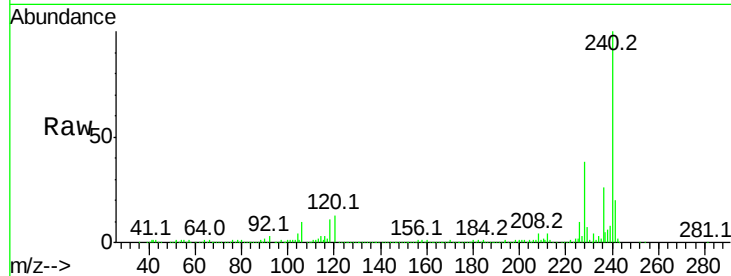
ClientSampleId :

WC-B46-B47-001MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 372400 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.1  | 12.9  | 19.3   |
| 236       | 26.2  | 20.9  | 31.3   |

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#76

Benzidine

Concen: 13.80 ng

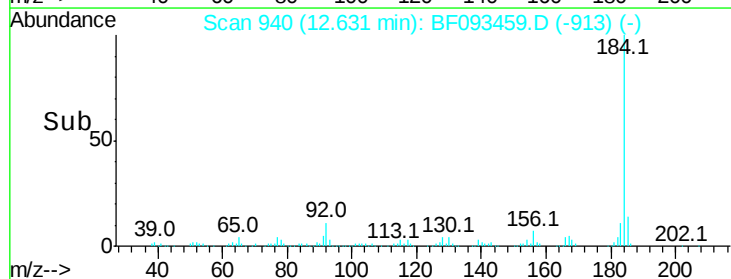
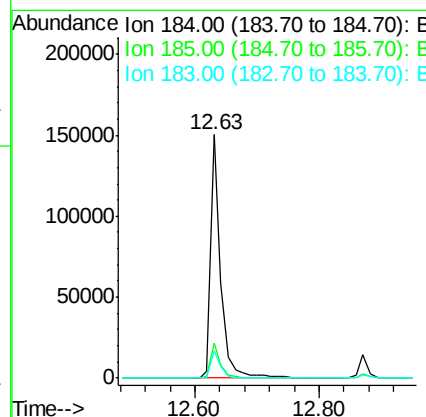
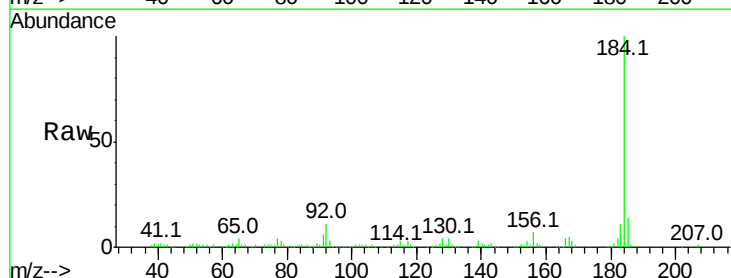
RT: 12.63 min Scan# 940

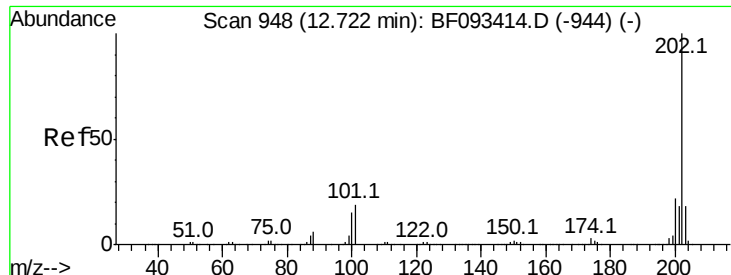
Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 169002 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.2  | 13.4  | 20.0   |
| 183       | 11.3  | 9.2   | 13.8   |





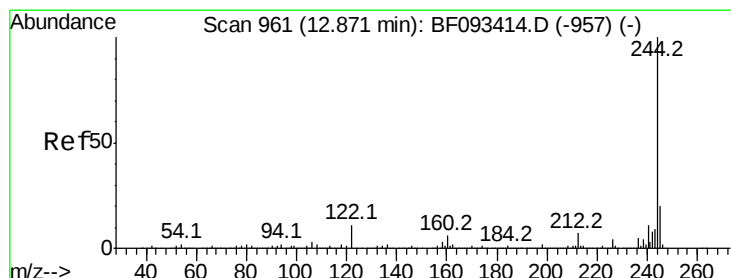
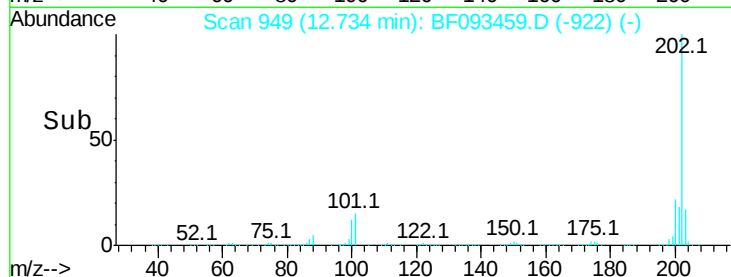
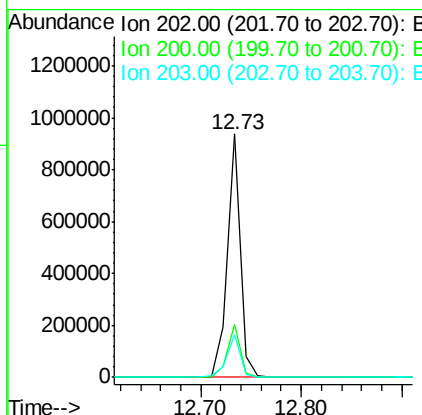
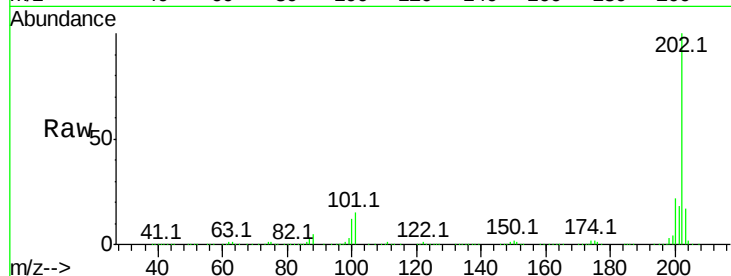
#77  
Pvrene  
Concen: 31.15 ng  
RT: 12.73 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 17.7  | 26.5  |
| 203     | 17.3  | 14.7  | 22.1  |

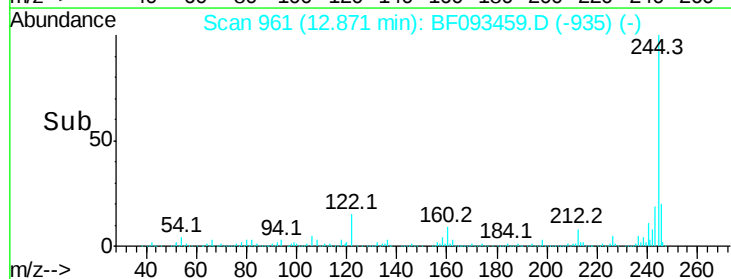
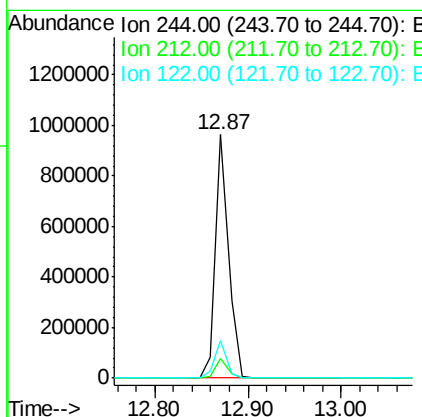
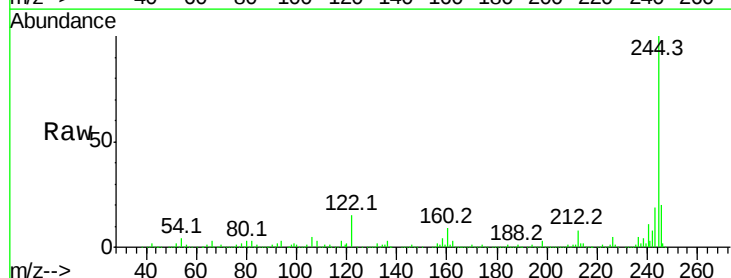
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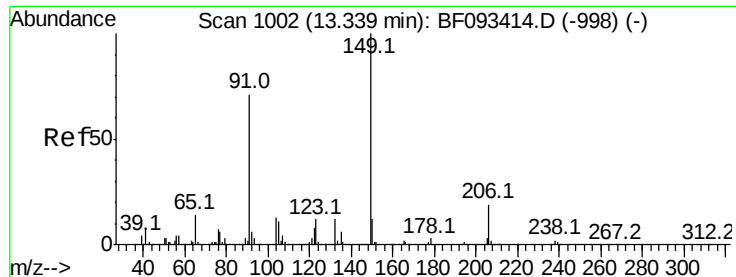
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#78  
Terphenyl-d14  
Concen: 65.36 ng  
RT: 12.87 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 6.2   | 9.2   |
| 122     | 15.3  | 11.4  | 17.2  |





#79

Butylbenzylphthalate

Concen: 34.88 ng

RT: 13.35 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:149 Resp: 397690

Ion Ratio Lower Upper

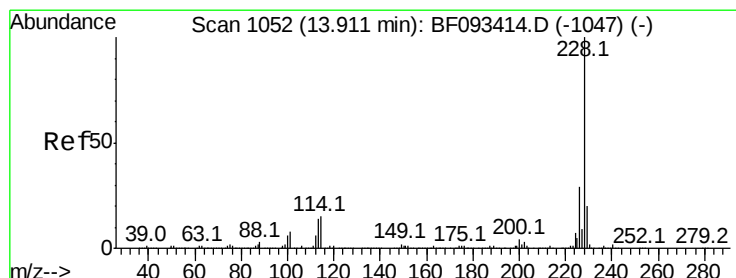
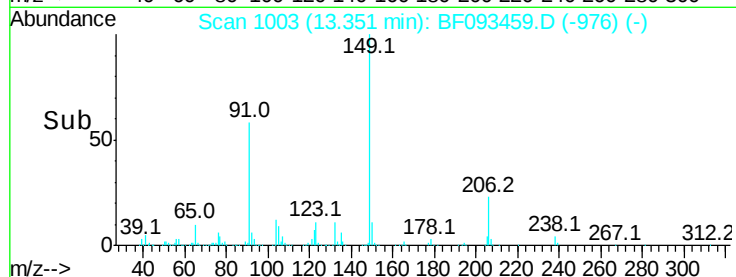
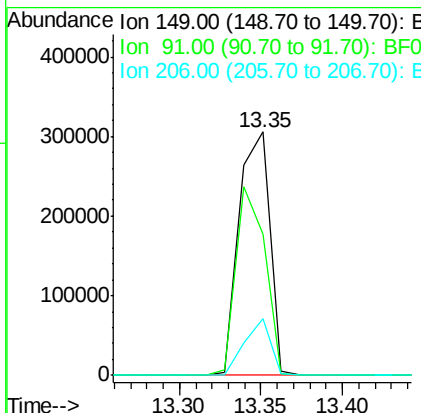
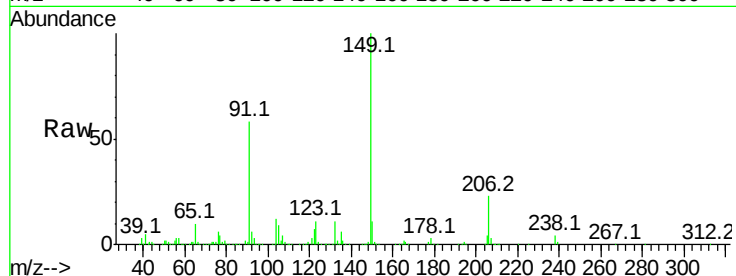
149 100

91 57.8 63.9 95.9#

206 23.3 14.6 21.8#

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#80

Benzo(a)anthracene

Concen: 35.05 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

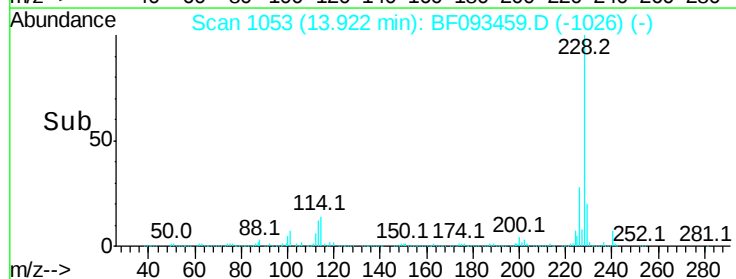
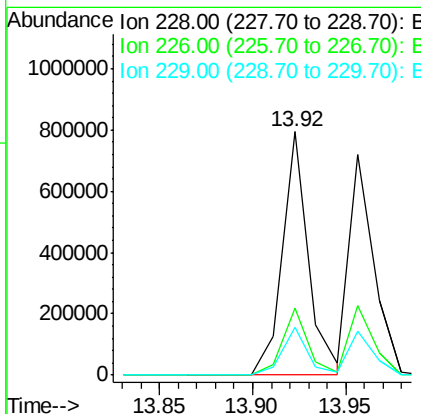
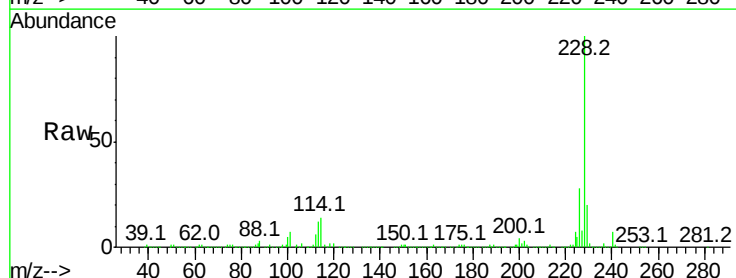
Tgt Ion:228 Resp: 770829

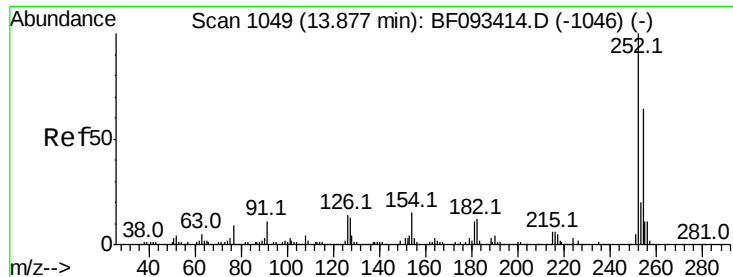
Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

229 19.8 16.2 24.4





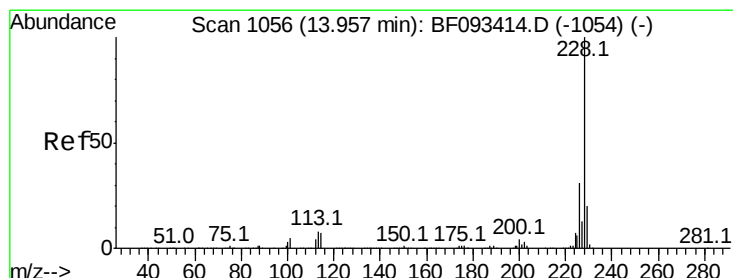
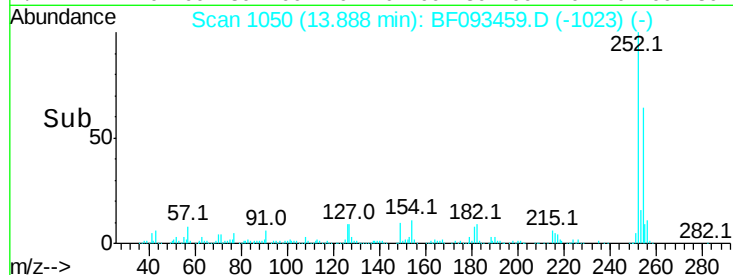
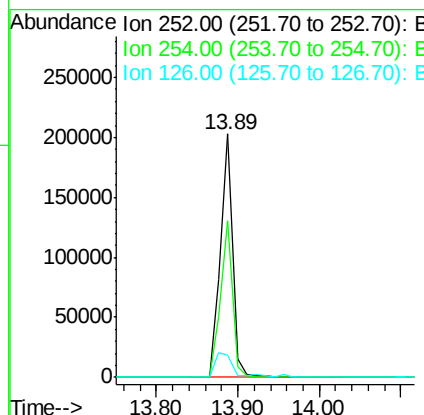
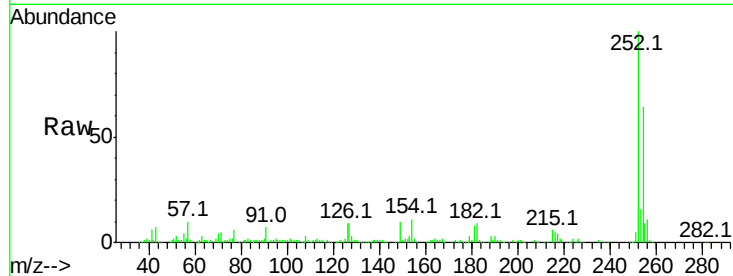
#81  
 3,3'-Dichlorobenzidine  
 Concen: 27.44 ng  
 RT: 13.89 min Scan# 1050  
 Delta R.T. 0.01 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 211343 |       |       |
| 254     | 64.3  | 52.3   | 78.5  |       |
| 126     | 9.2   | 13.6   | 20.4  |       |

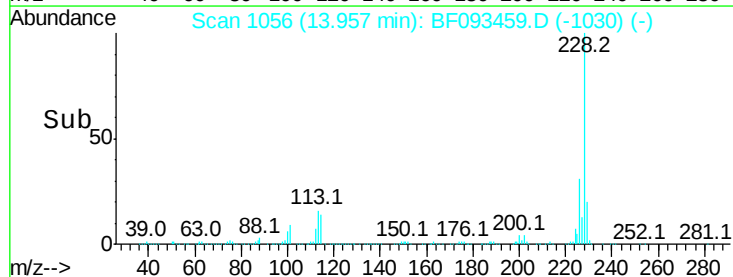
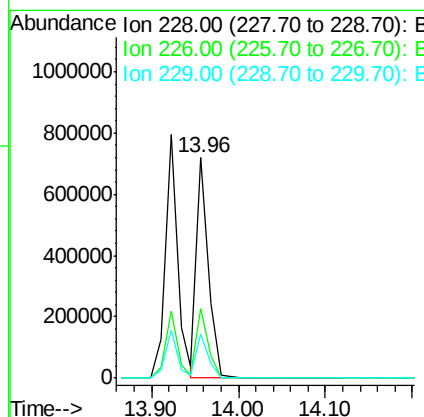
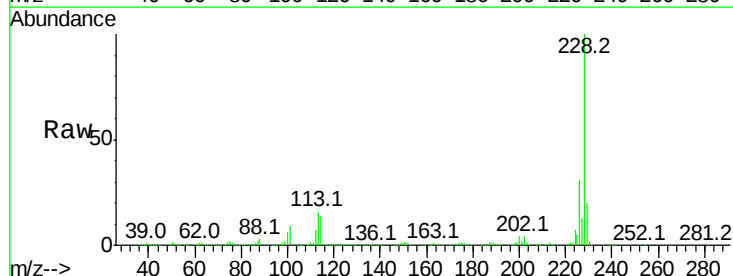
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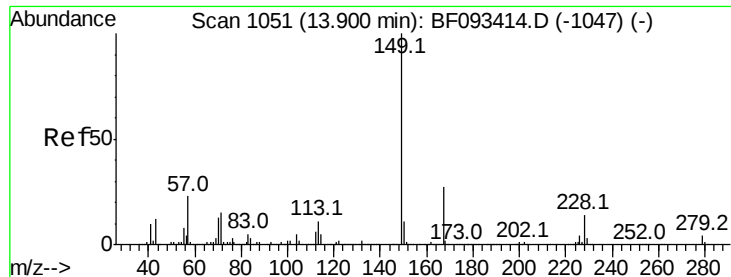
mohammad  
 3/10/2017 8:12:47 AM



#82  
 Chrysene  
 Concen: 33.21 ng  
 RT: 13.96 min Scan# 1056  
 Delta R.T. -0.00 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 675739 |       |       |
| 226     | 31.4  | 25.4   | 38.0  |       |
| 229     | 20.1  | 16.2   | 24.2  |       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 36.28 ng

RT: 13.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

ClientSampleId :

WC-B46-B47-001MS

Tot Ion:149 Resp: 576612

Ion Ratio Lower Upper

149 100

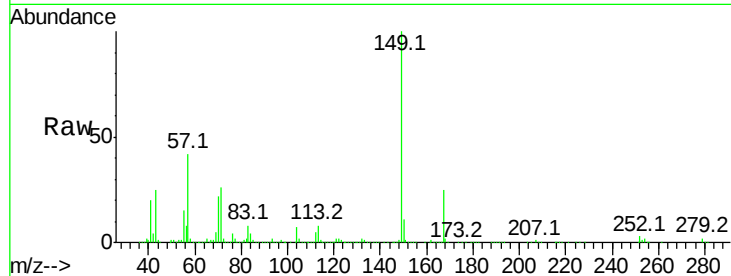
167 24.8 20.2 30.4

279 1.7 1.8 2.8#

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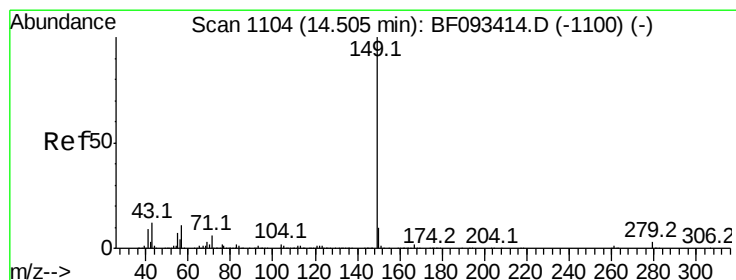
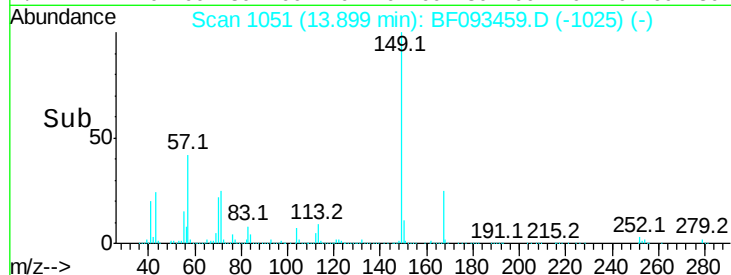
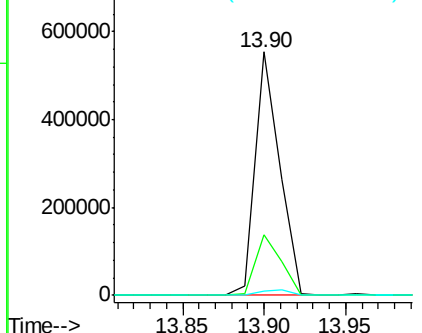
3/10/2017 8:12:47 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 39.67 ng

RT: 14.52 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

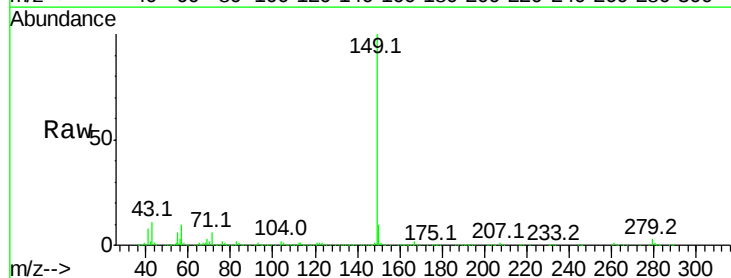
Tgt Ion:149 Resp: 1050707

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

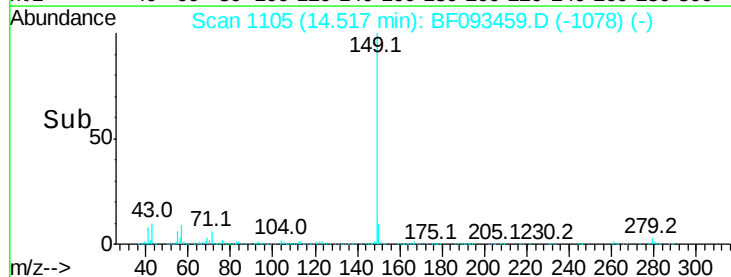
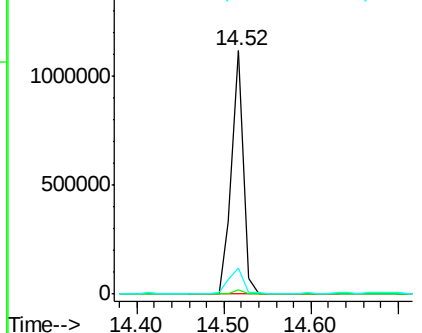
43 12.7 8.9 13.3

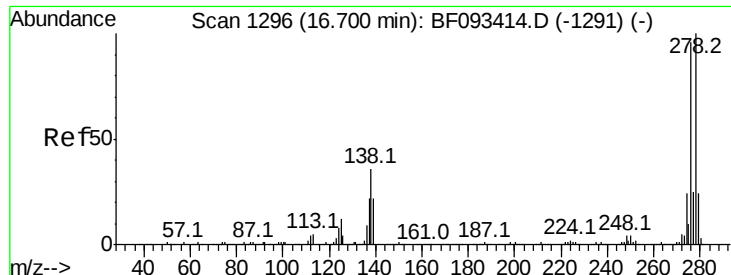


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





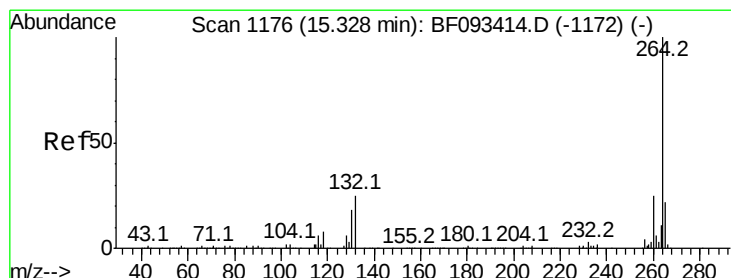
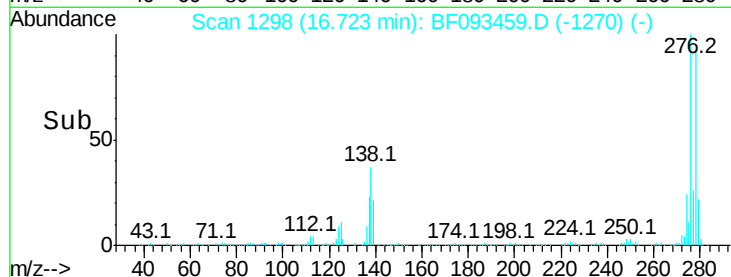
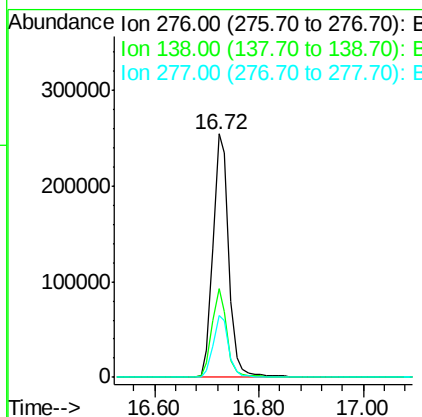
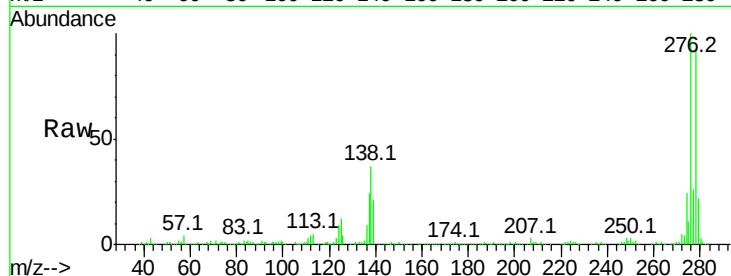
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 31.59 ng  
RT: 16.72 min Scan# 1298  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 35.0  | 21.8  | 32.6  |
| 277     | 25.4  | 20.2  | 30.4  |

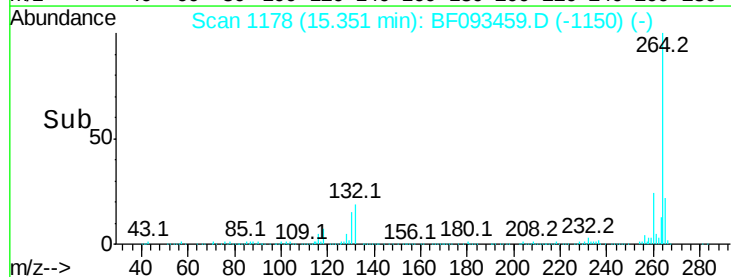
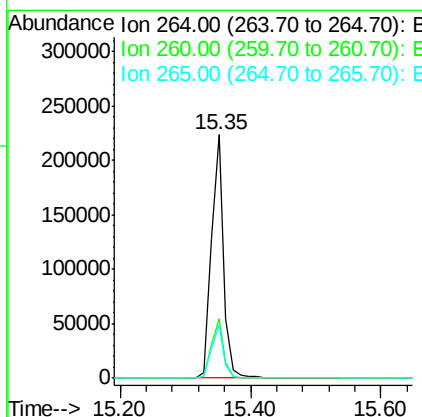
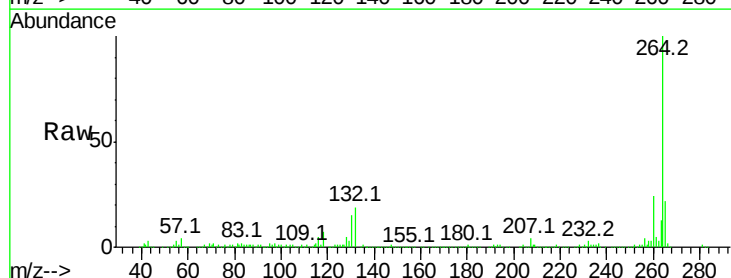
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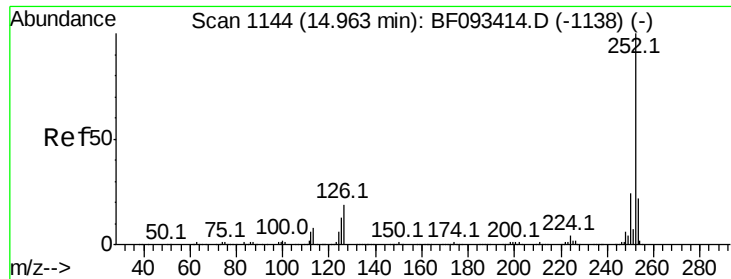
mohammad  
3/10/2017 8:12:47 AM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.35 min Scan# 1178  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 22.0  | 17.4  | 26.0  |





#87

Benzo(b)fluoranthene

Concen: 41.41 ng m

RT: 14.95 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

Instrument :

BNA\_F

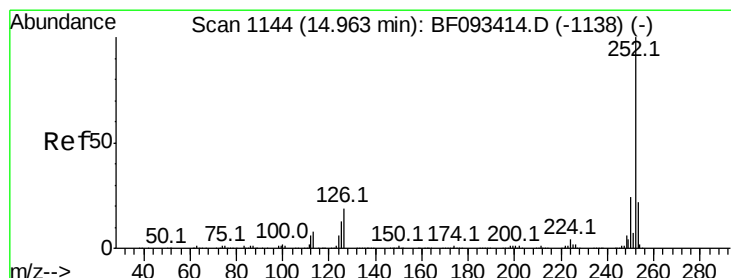
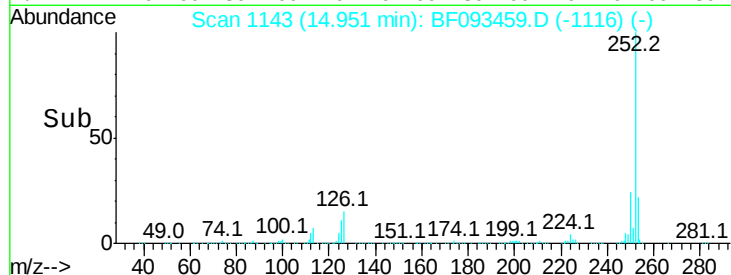
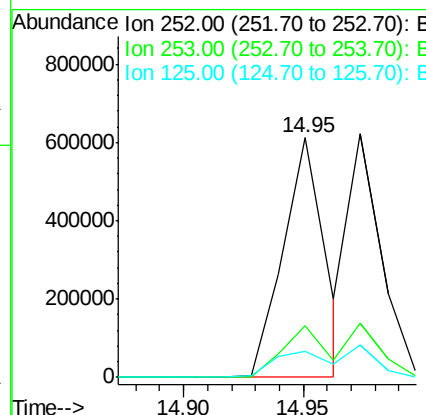
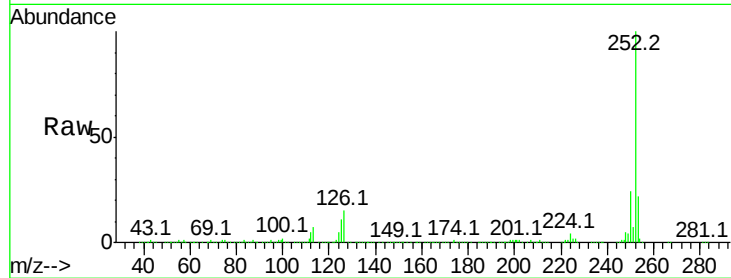
ClientSampleId :

WC-B46-B47-001MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 741362    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.6  | 18.2 27.4 |
| 125         | 11.0  | 9.8 14.6  |

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#88

Benzo(k)fluoranthene

Concen: 34.55 ng m

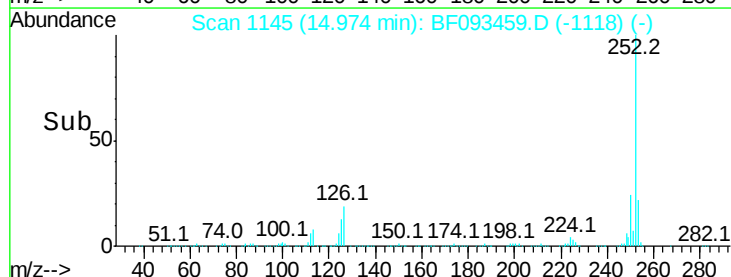
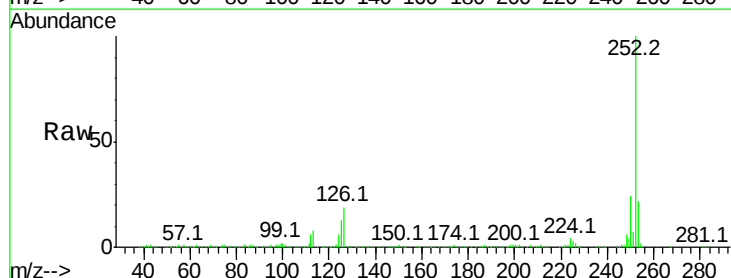
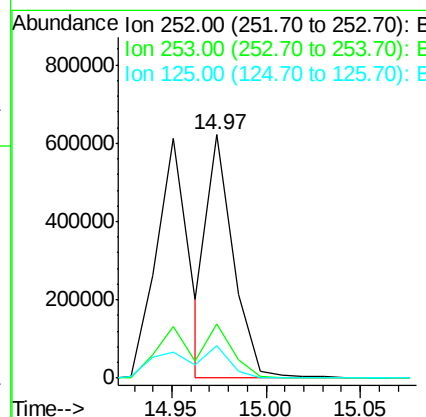
RT: 14.97 min Scan# 1145

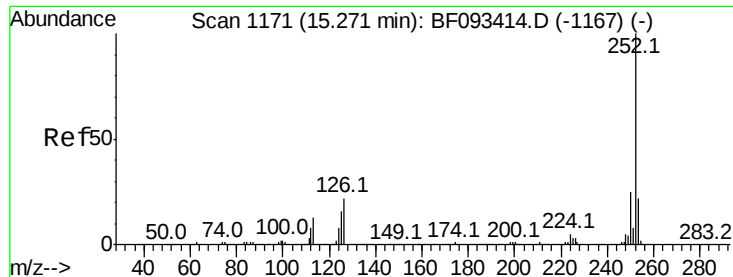
Delta R.T. 0.01 min

Lab File: BF093459.D

Acq: 9 Mar 2017 6:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 596461    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.2  | 18.5 27.7 |
| 125         | 13.1  | 8.9 13.3  |





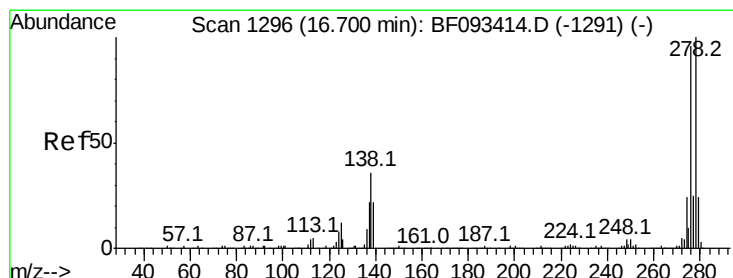
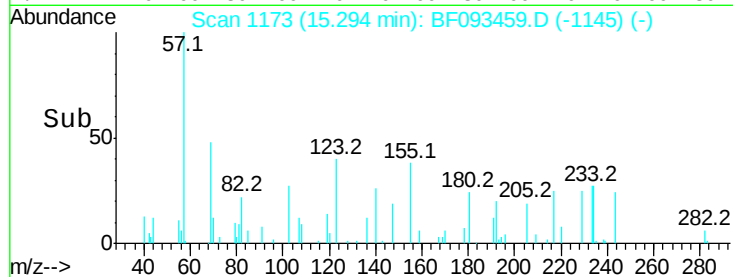
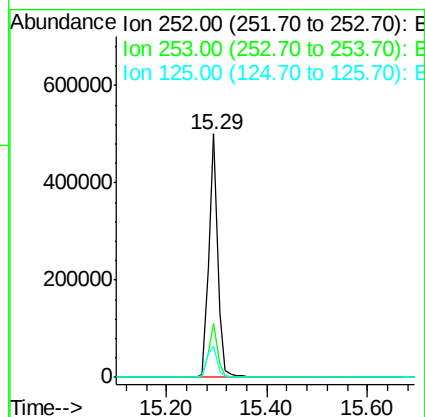
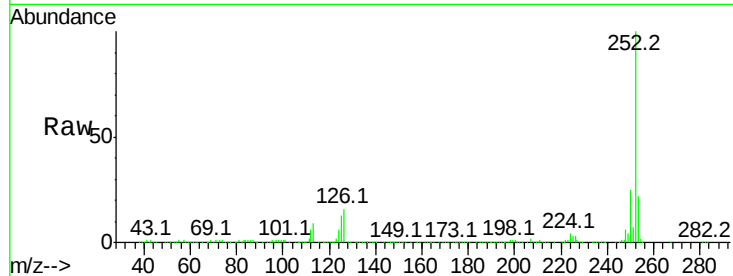
#89  
Benzo(a)pyrene  
Concen: 37.52 ng  
RT: 15.29 min Scan# 1173  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

Instrument :  
BNA\_F  
ClientSampleId :  
WC-B46-B47-001MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 613995 |       |       |
| 253     | 22.0  |        | 18.2  | 27.2  |
| 125     | 12.6  |        | 10.0  | 15.0  |

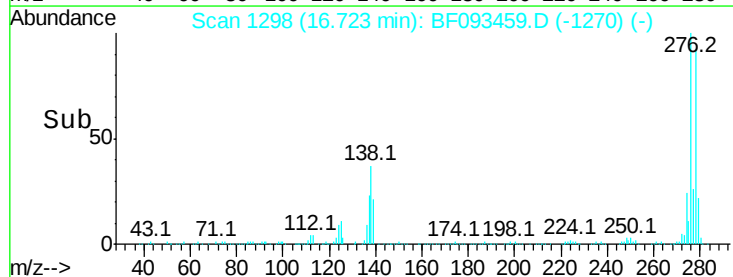
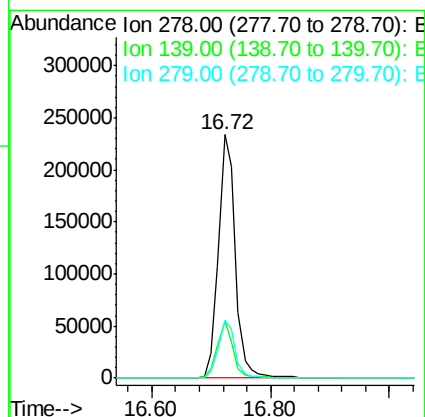
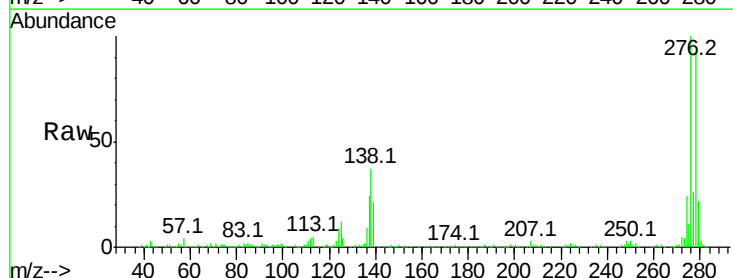
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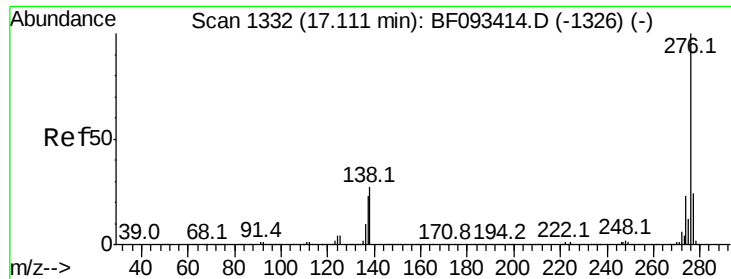
mohammad  
3/10/2017 8:12:47 AM



#90  
Dibenzo(a,h)anthracene  
Concen: 34.21 ng  
RT: 16.72 min Scan# 1298  
Delta R.T. 0.02 min  
Lab File: BF093459.D  
Acq: 9 Mar 2017 6:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 463128 |       |       |
| 139     | 23.1  |        | 14.8  | 22.2# |
| 279     | 24.0  |        | 19.8  | 29.6  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 31.94 ng  
 RT: 17.13 min Scan# 1334  
 Delta R.T. 0.02 min  
 Lab File: BF093459.D  
 Acq: 9 Mar 2017 6:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-B46-B47-001MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.2  | 28.8  |
| 138     | 30.3  | 16.0  | 24.0  |

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